Types, Motifs and the Emergence of Variants

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Abstract

An intriguing phenomenon in human storytelling – inexhaustible source of inspiration for digital storytelling – is our ability to still recognize a story that the narrator has felt free to change to a considerable extent. We have been witnessing a renewed interest of the movie industry in adaptations of folktales, mostly for adult audiences. However, observing how folktales have appeared and been disseminated through different countries along the centuries, we shall notice that our favourite stories have evolved no less dramatically in the course of the oral storytelling tradition. In this paper, taking Little Red Riding Hood as an example, we review a small number of variants of this universally cherished story, in an attempt to understand how variants emerge. Our study is founded on the classification of types and motifs contained in the Index of Antti Aarne and Stith Thompson, and examines the hypothesis that variants are often the consequence of type interactions, which we propose to characterize in terms of semiotic relations associated with the so-called four master tropes.

Keywords: Folktales, Variants, Types and Motifs, Semiotic Relations, Master Tropes, Digital Storytelling

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1. Introduction

When trying to learn about storytelling, in order to formulate and implement methods usable in a computer environment, two highly influential approaches come immediately to mind, both dealing specifically with folktales: Propp's functions [Propp 1968] and the comprehensive classification of types and motifs proposed by Antti Aarne and Stith Thompson, known as the Aarne-Thompson Index (heretofore simply Index) [Aarne and Thompson 1961; Thompson 1977; Uther 2011].

In previous work, as part of our Logtell project [Ciarlini et al. 2005; Ciarlini et al. 2010], we developed prototypes [Ciarlini et al. 2008; Ciarlini et al. 2005] adopting the first approach to compose narrative plots interactively, employing a plan-generation algorithm. By formulating the event-producing functions that characterize the chosen genre (folktales, detective stories, etc.) as operations defined by pre-conditions and post-conditions, we made sure that the obtained plots would be in full conformity with the conventions of the genre. Starting from different initial states, and giving to users the power to intervene in the generation process, within the limits of the conventions, we were able to obtain in most cases a fair number of different plots, thereby achieving an encouraging level of variety in plot composition. Indeed, more than once, we posed goals that we thought to be unattainable in the given context, and had the surprise to see the planner find its way along unexpected sequences of events.

The present study utilizes types and motifs of the Aarne-Thompson's Index, under whose guidance we explore what the ingenuity of supposedly unschooled narrators has legated. We chose to concentrate on folktales type AT 333, centered on The Little Red Riding Hood and spanning some 58 variants (according to [Tehrani 2013]) from which we took a small sample. The paper starts with a comparative survey of these variants, followed by an attempt to understand how folktales variants emerge. The main thrust of the paper is to investigate how such rich diversities of variants of traditional folktales came to be produced, as they were told and retold by successive generations of oral storytellers, hoping that some of their tactics are amenable to semi-automatic processing. An added incentive to work with folktales variants is the movie industry's current interest in adaptations of folktales for adult audiences, in contrast to old Disney productions.

Related work is found in the literature of computational narratology [Cavazza and Pizzi 2006; Mani 2014] – a new field that examines narratology from the viewpoint of computation and information processing – which offers models and systems based on tale types/motifs that can be used in story generation and/or story comparison. Karsdorp et al. [2012] believe that oral transmission of folktales happens through the replication of sequences of motifs. They remark that more work is necessary to cope with all kinds of folktales and develop a system where motifs are considered at different levels of abstraction. Darányi et al. [2012] propose to handle motif strings like chromosome mutations in genetics with operations of insertion/deletion, duplication and transposition. Kawakami et al. [2003] cover 23 Japanese texts of Cinderella tales, propose a motif network model of narrative structure not using the Index (“motif” being simply “the most significant action described in the
text”), and provide a system to generate variations of Cinderella tales.

Our text is organized as follows. Section 2 presents the two classic variants of AT 333. Section 3 summarizes additional variants. Section 4 has our analysis of the variant-formation phenomenon, with special attention to the interaction among types, explained in terms of semiotic relations. Section 5 has the conclusions. The full texts of the variants mentioned in the paper are available in a separate document.1

2. The two classic variants

In the Index, the type of interest, AT 333, characteristically named The Glutton, is basically described as follows, noting that two major episodes are listed [Aarne and Thompson 1961, p. 125]:

The wolf or other monster devours human beings until all of them are rescued alive from his belly.
I. Wolf’s Feast. By masking as mother or grandmother the wolf deceives and devours a little girl whom he meets on his way to her grandmother’s.
II. Rescue. The wolf is cut open and his victims rescued alive; his belly is sewed full of stones and he drowns, or he jumps to his death.

The first classic variant, Le Petit Chaperon Rouge (Little Red Riding Hood), was composed in France in 1697, by Charles Perrault [Perrault 1991], during the reign of Louis XIV2. It consists of the first episode alone, so that there is no happy ending, contrary to what children normally expect from nursery fairy tales. The little girl, going through the woods to see her grandmother, is accosted by the wolf who reaches the grandmother’s house ahead of her. The wolf kills the grandmother and takes her place in bed. When the girl arrives, she is astonished at the “grandmother”’s large, ears, large eyes, etc., until she asks about her huge teeth, whereby the wolf gobbles her up. Following a convention of the genre of admonitory fables, a “moralité” is appended, to the effect that well-bred girls should not listen to strangers, particularly when they pose as “gentle wolves”. Figure 1 shows the well-known illustrations made by the famous French artist Gustave Doré (1832 – 1883).

The second and more influential classic variant is that of the brothers Grimm (Jacob and Wilhelm), written in German, entitled Rotkäppchen (Little Red Cap) [Grimm and Grimm 1972], first published in 1812. The girl’s question about the wolf’s teeth is replaced by: “But, grandmother, what a dreadful big mouth you have!” This is a vital change – not being bitten, the victims are gobbled up alive – and so the Grimm variant can encompass the two episodes prescribed for the AT 333 type. Rescue is effected by a hunter, who finds the wolf sleeping and cuts his belly, allowing girl and grandmother to escape. The wolf, his belly filled with heavy stones fetched by the girl, wakes up, tries to run away and falls dead, unable to carry the weight. As a moral addendum to the happy ending, the girl promises to never again deviate from the path when so ordered by her mother. Having collected the story from two distinct sources, the brothers wrote a single text with a second finale, wherein both female characters show that they had learned from their experience with the villain. A second wolf comes in with similar proposals. The girl warns her grandmother who manages to keep the animal outside, and eventually they cause him to fall from the roof into a trough and be drowned.

Figure 1: Compère le Loup.

3. Some other variants

In [Tehrani 2013] no less than 58 folktales were examined as belonging to type AT 333 (and AT 123). Here we shall merely add seven tales to the classic ones of the previous section.

Since several variants do not mention a red hood or a similar piece of clothing as attribute of the protagonist, the conjecture was raised that this was Perrault's invention, later imitated by the Grimms. However a tale written in Latin by Egbert de Liège in the 11th century, De puella a lupellis seruata (About a Girl Saved from Wolf Cubs) [Ziolkowski 1992], arguably prefiguring some characteristics of AT 333, features a red tunic which is not merely ornamental but plays a role in the events. The girl had received it as a baptismal gift from her godfather. When she was once captured by a wolf and delivered to its cubs to be eaten, she suffered no harm. The virtue of baptism,
visually represented by the red tunic, gave her protection. The cubs, their natural ferocity subdued, gently caressed her head covered by the tunic. The moral lesson, in this case, is consonant with the teaching of the Bible\(^2\).

Whilst in the variants considered so far the girl is presented as naive, in contrast to the clever villain, the situation is reversed in the *Conte de la Mère-grand* (The Story of Grandmother), collected by folklorist Achille Milhien in the French province of Nivernais, circa 1870, and later published by Paul Delarue [Delarue 1989]. In this variant, which some scholars believe to be closer to the primitive oral tradition, the villain is a "bzou", a werewolf. After killing and partly devouring the grandmother's body, he stores some of her flesh and fills a bottle with her blood. When the girl comes in, he directs her to eat and drink from these ghastly remains. Then he tells her to undress and lie down on the bed. Whenever the girl asks where to put each piece of clothing, the answer is always: "Throw it in the fire, my child: you don't need it anymore." In the ensuing dialogue about the peculiar physical attributes of the fake grandmother, when the question about her "big mouth" is asked the bzou gives the conventional reply: "All the better to eat you with, my child!" – but this time the action does not immediately follow the words. What happens instead is that the girl asks permission to go out to relieve herself, which is a ruse whereby she ends up outsmarting the villain and safely going back to home\(^3\).

An Italian variant published by Italo Calvino, entitled *Il Lupo e le Tre Ragazze* (The Wolf and the Three Girls) [Calvino 1992], adopts the trebling device [Propp 1968] so common in folktales, making three sisters, one by one, repeat the action of taking victuals to their sick mother. The wolf intercepts each girl but the wolf actresses each girl but merely demands the food and drink that they carry. The youngest girl, who is the protagonist, throws at the wolf a portion that she had filled with nails. This infuriates the wolf, who hurries to the mother's house to devour her and lay in wait for the girl. After the customary dialogue with the wolf posing as the mother, the animal also swallows the girl. The townspeople observe the wolf coming out, kill him and extract mother and girl alive from his belly. But that is not all, as Calvino admits in an endnote. Having found the text as initially collected by Giambattista Basile, he had deliberately omitted what he thought to be a too gruesome detail ("una progressione troppo truculenta"): after killing the mother, the wolf had made "a doorlatch cord out of her tendons, a meat pie out of her flesh, and wine out of her blood". Repeating the strange above-described episode of the *Conte de la Mère-grand*, the girl is induced to eat and drink from these remains, with the aggravating circumstance that they belonged to her mother, rather than to a more remotely related grandparent.

Turning to China, one encounters the tale *Lon Po Po* (Grammie Wolf), translated by Ed Young [Young 1996], which again features three sisters but, unlike the Western folktale cliché, shows the eldest as protagonist, more experienced and also more resourceful than the others. The mother, here explicitly declared to be a young widow, goes to visit the grandmother on her birthday, and warns Shang, the eldest, not to let anyone inside during her absence. A wolf overhears her words, disguises as an old woman and knocks at the door claiming to be the grandmother. After some hesitation, the girls allow him to enter and, in the dark, since the wolf claims that light hurts his eyes, they go to bed together. Shang, however, lighting a candle for a moment catches a glimpse of the wolf's hairy face. She convinces him to permit her two sisters to go outside under the pretext that one of them is thirsty. And herself is also allowed to go out, promising to fetch some special nuts for "Grammie". Tired of waiting for their return, the wolf leaves the house and finds the three sisters up in a tree. They persuade him to fetch a basket mounted on which they propose to bring him up, in order to pluck with his own hands the delicious nuts. They pull on the rope attached to the basket, but let it go so that the wolf is seriously bruised. And he finally dies when the false attempt is repeated for the third time.

Another Chinese variant features a bear as the villain: *Hsiung chia P`o* (Goldflower and the Bear) [Chiang 1999], translated by Chiang Mi. The crafty protagonist, Goldflower, is once again an elder sister, living with her mother and a brother. The mother leaves them for one day to visit their sick aunt, asking the girl to take care of her brother and call their grandmother to keep them company during the night. The bear knocks at the door, posing as the grandmother. Shortly after he comes in, the girl – in spite of the darkness – ends up disclosing his identity. She manages to lock the boy in another room, and then obeys the bear's request to go to bed at his side. The villain's plan is to eat her at midnight, but she asks to go out to relieve herself, which is a ruse whereby she ends up outsmarting the villain and safely going back to home.

One variant, published in Portugal by Guerra Junqueiro [2012], entitled *O Chapelinho Encarnado*, basically follows the Grimm brothers pattern. A curious twist is introduced: instead of luring the girl to pick up wild flowers, the wolf points to her a number

\(^2\) Daniel VI, 27: He delivereth and rescueth, and he worketh signs and wonders in heaven and in earth, who hath delivered Daniel from the power of the lions.

\(^3\) cf. http://expositions.bnf.fr/contes/gros/chaperon/nivers.htm
of medicinal herbs, all poisonous plants in reality, and she mistakes him for a doctor. At the end, the initiative of filling the belly of the wolf with stones is attributed not to the girl, but to the hunter, who, after skinning the animal, merrily shares the food and drink brought by the girl with her and her grandmother.

The highly reputed Brazilian folklorist Camara Cascudo included in his collection [Camara Cascudo 2014] a variant, O Chapelinho Vermelho, which also follows the Grimm brothers pattern. The mother is introduced as a widow and the name of the girl is spelled out: Laura. Although she is known, as the conventional title goes, by a nickname translable as "Little Red Hat", what she wears every day is a red parasol, given by her mother. One more particularity is that, upon entering her grandmother's house, the girl forgets to close the door, so that finding the door open is what strikes the hunter as suspicious when he approaches the house. The hunter bleeds the wolf with a knife and, noticing his distended belly, proceeds to open it thus saving the two victims. Nothing is said about filling the wolf's belly with stones, the wounds inflicted by the hunter's knife having been enough to kill him. Two prudent lessons are learned: (1) Laura would not forget her mother's recommendation to never deviate from the path, the specific reason being given here that there existed evil beasts in the wood; (2) living alone should no longer be an option for the old woman, who from then on would dwell with her daughter and granddaughter.

4. Comments on the formation of variants

It is a truism that people tend to introduce personal contributions when retelling a story. There are also cultural time and place circumstances that require adaptations. For example, in the times of Louis XIVth, to be or not to be born from a noble family was still a serious issue. So, in the first written publication of The Story of Beauty and the Beast [Villeneuve 1991], when the prince tells his mother that he is anxious to marry the girl who had just made him recover his human form, the haughty queen is scandalized upon hearing the girl with her and her grandmother. One more particularity is that, upon entering her grandmother's house, the girl forgets to close the door, so that finding the door open is what strikes the hunter as suspicious when he approaches the house. The hunter bleeds the wolf with a knife and, noticing his distended belly, proceeds to open it thus saving the two victims. Nothing is said about filling the wolf's belly with stones, the wounds inflicted by the hunter's knife having been enough to kill him. Two prudent lessons are learned: (1) Laura would not forget her mother's recommendation to never deviate from the path, the specific reason being given here that there existed evil beasts in the wood; (2) living alone should no longer be an option for the old woman, who from then on would dwell with her daughter and granddaughter.

Other differences among variants may result from the level of education of the oral storytellers affecting how spontaneous they are, and the attitude of the collectors who may either prefer to reproduce exactly what they hear or introduce corrections and rational explanations while omitting indecorous or gruesome scenes. On the storyteller's part, however, this tendency is often attenuated by an instinctive pact with the audience – with children, in special – in favour of faithful repetition, preferably employing the very same words. Indeed the genre of folktales is strongly marked by conventions which, to a remarkable extent, remain the same in different times and places. The folklorist Albert Lord called tension of essences the compulsion that drives all singers (i.e. traditional oral storytellers) to strictly enforce such conventions [Lord 2000, p. 98]:

In our investigation of composition by theme this hidden tension of essences must be taken into consideration. We are apparently dealing here with a strong force that keeps certain themes together. It is deeply imbedded in the tradition; the singer probably imbibes it intuitively at a very early stage of his career. It pervades his material and the tradition. He avoids violating the group of themes by omitting any of its members. [We shall see] that he will even go so far as to substitute something similar if he finds that for one reason or another he cannot use one of the elements in its usual form.

The notion of tension of essences may perhaps help explaining not only the total permanence of some variants within the frontiers of a type, but also the emergence of transgressive variants, which absorb features pertaining to other types, sometimes even provoking a sensation of strangeness. When an oral storyteller feels the urge "to substitute something similar" in a story, the chosen "something" should, as an effect of the tension-of-essences forceful compulsion, still belong to the folktale genre – but what if the storyteller's repertoire comprises more than one folktale type? As happens with many classifications, the frontiers between the types in the Index are often blurred, to the point that one or more motifs can be shared and some stories may well be classified in more than one type. So a viable hypothesis can be advanced that some variants did originate through, so to speak, a type-contamination phenomenon.

Accordingly we propose to study type interactions as a possible factor in the genesis of variants. We shall characterize the interactions that may occur among types, also involving motifs, by way of semiotic relations, taking an approach we applied before to the conceptual modelling of both literary genres and business information systems [Ciariini et al. 2010; Karlsson and Furtado 2014; Furtado et al. 2014]. We distinguish four kinds of semiotic relations, associated with the so-called four master tropes [Burke 1969; Chandler 2002], whose significance has been cogently stressed by a literary theory scholar, Jonathan Culler, who regards them "as a system, indeed the system, by which the mind comes to grasp the world conceptually in language" [Culler 1981, p. 72]. For the ideas and for the nomenclature in the table below, we are mainly indebted to the pioneering semiotic studies of Ferdinand de Saussure [Saussure 1953].


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<thead>
<tr>
<th>relation</th>
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<tr>
<td>syntagmatic</td>
<td>connection</td>
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<td>similarity</td>
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### 4.1 Semiotic relations

The next sections illustrate the meaning of each of the four semiotic relations, as applied to the derivation of folktale type variants stemming from AT 333.

#### 4.1.1 Syntagmatic relation with type AT 123

As mentioned at the beginning of section 2, the *Index* describes type AT 333 as comprising two episodes, namely *Wolf’s Feast* and *Rescue*, but the classic Perrault variant does not proceed beyond the end of the first episode. As a consequence, one is led to assume that the *Rescue* episode is not essential to characterize AT 333. On the other hand the situation created by *Wolf’s Feast* is a long distance away from the happy-ending that is commonly expected in nursery fairy tales. A continuation in consonance with the *Rescue* episode, exactly as described in the *Index*, is suggested by AT 123: *The Wolf and the Kids*, a type pertaining to the group of Animal Tales, which contains the key motif F913: *Victims rescued from swallower’s belly*.

The connection (syntagmatic relation) whereby AT 123 complements AT 333 is explicitly declared in the *Index* by "cf." cross-references [Aarne and Thompson 1961, p. 50, p. 125]. Moreover the Grimm brothers variant, which has the two episodes, is often put side by side with another story equally collected by them, *The Wolf and the Seven Little Kids* [Grimm and Grimm 1972], clearly of type AT 123.

Still it must be noted that several of the variants reported here do not follow the Grimm pattern in the *Rescue* episode. They diverge with respect to the outcome, which, as seen, may involve the death of the girl, or her rescue after being devoured, or even her being totally preserved from the villain’s attempts either by miraculous protection or by her successful ruses.

#### 4.1.2 Paradigmatic relation with type AT 311B*

For the Grimm variant, as also for those that follow its pattern (e.g. the Italian and the two Portuguese variants in section 3), certain correspondences or analogies can be traced with variants of type AT 311B*: *The Singing Bag*, a striking example being another story collected in Brazil by Camara Cascudo [2014], *A Menina dos Brincos de Ouro* (The Girl with Golden Earrings). Here the villain is neither an animal nor a werewolf; he is a very ugly old man, still with a fearsome aspect but no more than human. The golden earrings, a gift from her mother, serve as the girl’s characteristic attribute and have a function in the plot. As will be noted in the summary below, the villain’s bag becomes the wolf’s belly of the Grimm variant, and what is done to the bag mirrors the act of cutting the belly and filling it with stones. In this sense, the AT 311B* variant analogously replaces the Grimm variant.

One day the girl went out to bring water from a fountain. Having removed her earrings to wash herself, she forgot to pick them up before returning. Afraid to be reprimanded by her mother, she walked again to the fountain, where she was caught by the villain and sewed inside a bag. The man intended to use her to make a living. At each house that he visited, he advertised the magic bag, which would sing when he menaced to strike it with his staff. Everywhere people gave him money, until he came inadvertently to the girl’s house, where her voice was recognized. He was invited to eat and drink, which he did in excess and fell asleep, whereat the bag was opened to free the girl and then filled with excrement. At the next house visited, the singing bag failed to work; beaten with the staff, it erupted spilling its contents.

#### 4.1.3 Meronymic relation with type AT 437

In *The Story of Grandmother* the paths taken by the girl and the werewolf to reach the old lady’s house are called, respectively, the Needles Road and the Pins Road. And, strangely enough, while walking along her chosen path, the little girl “enjoyed herself picking up needles” [Delarue 1989]. At first one might try to classify these needles under motif R135, which covers different objects serving to mark a path, either as a clue to help finding the way, like the white pebbles in the tale of *Hansel and Gretel* [Grimm and Grimm 1972], or as a lure leading to a trap, like the silver objects resembling fried grains of rice in *A Parrot Called Hirman* [Ramanujan 1991]. But none of these explanations is applicable here: on the one hand, the little girl knew perfectly well the way to her grandmother’s house, and, on the other hand, the wolf had no need to attract her to a place where she was going on her own accord. So, except for this brief and puzzling mention, these objects remain as meaningless details, having no participation in the story.

And yet, browsing through the *Index*, we see that needles and pins are often treated as wondrous objects (motifs D1181: Magic Needle and D1182: Magic Pin). And traversing the *Index* hierarchy upwards, from motifs to types, we find them playing a fundamental role in type AT 437: *The Needle Prince* (also named *The Supplanted Bride*), described as follows [Aarne and Thompson 1961, p. 140]: “The maiden finds a seemingly dead prince whose body is covered with pins and needles and begins to remove them ... “. Those motifs are thus expanded into a full narrative in AT 437.

Especially relevant to the present discussion is a variant from Afghanistan, entitled *The Seventy-Year-Old Corpse* reported by Dorson [1978], which has
several elements in common with the AT 333 variants. An important difference, though, also deserves mention: the girl lives alone with her old father, who takes her to visit her aunt. We are told that, instead of meeting the aunt, the girl finds a seventy year old corpse covered with needles, destined to revive if someone would pick the needles from his body. At the end the girl marries the "corpse", whereas no further news are heard about her old father, whom she had left waiting for a drink of water. One is tempted to say that Bruno Bettelheim would regard this participation of two old males, the father and the daunting corpse, as an uncannily explicit confirmation of the presence – in two different forms – of the paternal figure, in an "externalization of overwhelming oedipal feelings, and ... in his protective and rescuing function" [Bettelheim 2010, p. 178].

4.1.4 Antithetic relation with type AT 449

Again in The Story of Grandmother we watch the strange scene of the girl eating and drinking from her grandmother's remains, punctuated by the acid comment of a little cat: "A slut is she who eats the flesh and drinks the blood of her grandmother!". The scene has no consequence in the plot, and in fact it is clearly inconsistent with the role of the girl in type AT 333. It would sound natural, however, in a type in opposition to AT 333, such as AT 449: The Tsar's Dog, wherein the roles of victim and villain are totally reversed. The cannibalistic scene in The Story of Grandmother has the effect of assimilating the girl to a ghoul (motif G20 in the Index), and the female villain of the most often cited variant of type AT 449, The Story of Sidi Nouman (cf. Andrew Lang’s translation in Arabian Nights Entertainment), happens to be a ghoul.

No less intriguing in The Story of Grandmother are the repartees in the ensuing undressing scene, with the villain (a werewolf, as we may recall) telling the girl to destroy each piece of clothing: "Throw it in the fire, my child; you don't need it anymore." This, too, turns out to be inconsequential in the plot, but was a major concern in the werewolf historical chronicles and of the Middle Ages [Baring-Gould 1965; Sconduto 2008]. In 1521, the Inquisitor-General for the diocese of Besançon heard a case involving a certain Pierre Bourget [Baring-Gould 1965]. He confessed under duress that, by smearing his body with a salve and drinks the blood of her grandmother!" The comment of a little cat: "A slut is she who eats the flesh and drinks the blood of her grandmother!". The scene has no consequence in the plot, and in fact it is clearly inconsistent with the role of the girl in type AT 333. It would sound natural, however, in a type in opposition to AT 333, such as AT 449: The Tsar's Dog, wherein the roles of victim and villain are totally reversed. The cannibalistic scene in The Story of Grandmother has the effect of assimilating the girl to a ghoul (motif G20 in the Index), and the female villain of the most often cited variant of type AT 449, The Story of Sidi Nouman (cf. Andrew Lang’s translation in Arabian Nights Entertainment), happens to be a ghoul.

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4.2 Type combination

In the preceding discussion we purported to show how types can be semiotically related, and argued that such relations constitute a factor to be accounted for in the emergence of variants. We should add that types may be combined in various ways to yield more complex types, whose attractiveness is heightened by the occurrence of unexpected changes. Indeed Aristotle's Poetics distinguishes simple and complex plots, characterizing the latter by recognition (αναγνώσις) and reversal (προστασία). Differently from reversal, recognition does not imply that the world changed, but that the beliefs of the characters about themselves and the current facts were altered.

In particular, could a legitimate folktale promote the union of monster and girl? Could we conciliate type AT 333 (where the werewolf is a villain) with the antithetically related medieval lays of type AT 449 (where the werewolf is the victim)? Such conciliations of opposites are treated under the topic of blending [Fauconnier and Turner 1994], often requiring creative adaptations. A solution is given by type AT 425C: Beauty and the Beast. At first the Beast is shown as the villain, claiming the life of the merchant or else of one of his daughters: "Go and see if there's one among them who has enough courage and love for you to sacrifice herself to save your life" [Villeneuve 1991, p. 159] – but then proves to be the victim of an enchantment. Later, coming to sense his true inner nature (an event of recognition, as in Aristotle), Belle makes him human again by manifesting her love (motif D735-1: Disenchantment of animal by being kissed by woman). So, it is as human beings that they join. Figure 2 places in contrast naïve girl and amorous young lady face-to-face with the monster, reproducing illustrations by Walter Crane (1845 – 1915).

Alternatively, we might combine AT 333 and AT 449 by pursuing until some sort of outcome the anomalous passages of The Story of Grandmother, allowing the protagonists to join in a non-human form. The werewolf feeds human flesh of his victim to the girl, expecting that she would transform herself like he

did (as Melion for a moment thought to cast the curse upon his wife), thereby assuming a shape that she would keep forever once her clothes were destroyed (recall the concern of Pierre Bourget to "beat a retreat to his clothes", and the knight's need to get back his clothes in Bisclavret). At the end the two werewolves would marry and live happily forever after, as a variant of an admittedly misbegotten new type (with, perhaps, a modern appeal, since it would also include among its variants the story of the happy vampires Edward and Bella in the Twilight Saga6).

Figure 2: Petit Chaperon Rouge et le Loup, la Belle et la Bête.

5 http://www.twilightthemovie.com/

6 http://classics.mit.edu/Aristotle/poetics.1.1.html

5. Composing new stories

New stories often emerge through an adaptation of one or more old stories: this is a most common strategy among even the best professional authors, though surely not easy to trace in its complex ramifications, as eloquently expressed by the late post-structuralist theoretician Roland Barthes [1981, p. 39]:

Any text is a new issue of past citations. Bits of code, formulae, rhythmic models, fragments of social languages, etc., pass into the text and are redistributed within it, for there is always language before and around the text. Intertextuality, the condition of any text whatsoever, cannot, of course, be reduced to a problem of sources or influences; the intertext is a general field of anonymous formulae whose origin can scarcely ever be located; of unconscious or automatic quotations, given without quotation marks.

A simple way of employing this "reuse strategy" is to follow the paths pointed by the semiotic relations. Suppose that, having looked at variants of type AT 333, the author decides to compose a plot on more or less similar lines. Then it is expedient to adapt one of those variants, or to look for a variant of some paradigmatically related type, such as AT 311B*.

If the plot has not gone beyond the villainy episode yet, just telling that some monstrous animal swallowed the victim, the author may search for a way to connect this episode with a rescue episode. The syntagmatic relation of AT 333 with AT 123 suggests a possible compatible continuation, which can be derived after accessing some AT 123 variant.

In the folktale classification hierarchy, moving down from a type to the meronymically related motifs allows to present the plot in detail (whereas moving up allows summarization). To relieve the mother's concern with the risks that the girl may run in her solitary trip to grandmother's house, one may borrow motif E761: Life-token which occurs under, among others, type AT 303: The Twins or Blood-Brothers. More specifically, looking at The Gold Children of the Grimm brothers [Grimm and Grimm 1972], the author will learn about golden lilies that remain fresh while the child is in health, but will wither or even perish as a warning that this is no longer so. The plot could then be enriched with this detail, to the effect that the child, before leaving, delivers to the mother a flower that fades if she is in danger.

Turning now to antithetic relations, let us look more closely at Aristotle's already mentioned notion of reversal, as a characteristic of complex plots, defined by him as "a change by which the action veers round to its opposite, subject always to our rule of probability or necessity". Accordingly, having first selected the happy-ending Chinese Lon Po Po and the two-part Grimm variant, the author may want to have in continuation some unexpected turn of events. And the inspiration may come from a type in antithetic relation to AT 333, such as type AT 449, which portrays the monster as victim and the female character as villain. But suppose the author likes the idea of rehabilitating the monster, but is not prepared to treat the nice little girl as villain. Bringing in one more type, say AT 425C mentioned at the end of the previous section, a tentative plot might begin to form: (1) the girl is attacked by the wolf and outsmarts him (as in Lon Po Po); (2) learns that the (were)wolf is actually a man enchanted by some evil woman (Bisclavret); (3) encounters the wolf again (second part of Little Red Cap of the Grimm brothers); (4) by kissing the monster transforms him back into a handsome young prince and they get married and live happily ever after (The Story of Beauty and the Beast).

Notice that, to put together fragments from different stories, our imaginary author would have to do several adaptations in order to conciliate conflicting situations. This is the nontrivial blending process [Fauconnier and Turner 1994], mentioned in section 4.2. Thus, the victim of the wolf in (1) and the enchantress that would have earlier operated the cruel metamorphosis in (2) must be different characters. On the contrary, the wolves in (1) and (3) represent one and the same character, to be in turn duly conflated with the werewolf in (2) and with the unspecified...
monster (the Beast) in (4). But one difficulty still remains: an infant girl getting married? The passage of time comes in as a convenient solution, if it is explained that several years went by between phases (1) and (2). In the meanwhile the girl grew up, and hence she who redeemed and married the prince was at this point a tall young lady — and so, indeed, the paired images of Figure 2 above end up serving to illustrate this amateurish, hopefully not too contrived, 'multitype' new story.

6. Concluding remarks

The imagination of storytellers far surpasses what automatic tools can produce at the current state of the art, but there is always a hope that technology can advance by the observation and analysis of human creative processes. Folktales offer a suitable model to begin with, given their amazing fertility in the proliferation of variants, favouring different — sometimes very different — perspectives to view what is basically the same story. Having access to a collection of variants, either of folktales or of some other similarly predefined genre, readers have a fair chance to find the chosen story in a treatment as congenial as possible to their tastes and personality profile.

Moreover, prospective amateur authors may feel inspired to put together new variants of their own, especially after observing how variants can derive from the type and motif interactions that we associate with semiotic relations expressing, respectively, connection, similarity, unfolding, and opposition.

We expect that our analysis of variants, stimulated by further research efforts in the line of computational narratology, may contribute to the design of semi-automatic methods for supporting interactive plot composition, to be usefully incorporated into digital storytelling systems.

References


