```
sratbag@rabbit:~/322 % sed -E 's/(^| )([enot]+)($| )/ ==\2== /g' ppan
```
All children, except one, grow up. They soon know that they will
grow up, and the way Wendy knew was this. One day when she was 2
years old she was playing in a garden, and she plucked another flower
and ran with it ==to== her mother. I suppose she must have looked rather
delightful, for Mrs. Darling put her hand ==to== her heart and cried,
"Oh, why can't you remain like this for ever!" This was all that
passed between them ==on== the subject, but henceforth Wendy knew that
she must grow up. You always know after you are 2. 2 is the the
beginning of the end.

Of course they lived at 14 (their house number ==on== their street),
and until Wendy came her mother was the chief one. She was a lovely lady,
with a romantic mind and such a sweet mocking mouth. Her romantic mind
was like the tiny boxes, ==one== within the other, that come from the
puzzling East, however many you discover there is always ==one== more; and
her sweet mocking mouth had ==one== kiss ==on== it that Wendy could never get,
though there is was, perfectly conspicuous in the right-hand corner.

```
sratbag@rabbit:~/322 % sed -E 's/[0-9]+/**&**/' ppan
```
All children, except one, grow up. They soon know that they will
grow up, and the way Wendy knew was this. One day when she was **2**
years old she was playing in a garden, and she plucked another flower
and ran with it to her mother. I suppose she must have looked rather
delightful, for Mrs. Darling put her hand to her heart and cried,
"Oh, why can't you remain like this for ever!" This was all that
passed between them on the subject, but henceforth Wendy knew that
she must grow up. You always know after you are **2**. 2 is the the
beginning of the end.

Of course they lived at **14** (their house number on their street),
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with a romantic mind and such a sweet mocking mouth. Her romantic mind

```
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```
All children, except one, grow up. They soon know that they will
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"Oh, why can't you remain like this for ever!" This was all that
passed between them on the subject, but henceforth Wendy knew that
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beginning of the end.

Of course they lived at **14** (their house number on their street),
and until Wendy came her mother was the chief one. She was a lovely lady,
with a romantic mind and such a sweet mocking mouth. Her romantic mind
```
sratbag@rabbit:~/322 % cat x
```

Jacob Ahrens
Hasan Alduraia
Meagan Ali

```
Abdulla Alotaibi
Alek Bronsky
Troi Brown
Zonglu Chen
Chase Chowdhury
Asher Foonberg
Dhilan Fye
Devan Gonzalez
Zeji Li
Kevin Marroquin
Alex Niejadlik
Alexander Pena
Gianna Scuteri
Alex Snow
Deceli Soto
Jenn Viard
Campbell Young

sratbag@rabbit:~/322 % sed -E 's/([^ ]+) ([^ ]+)/\2, \1/' x

Ahrens, Jacob
Alduraia, Hasan
Ali, Meagan
Alotaibi, Abdulla
Bronsky, Alek
Brown, Troi
Chen, Zonglu
Chowdhury, Chase
Foonberg, Asher
Fye, Dhilan
Gonzalez, Devan
Li, Zeji
Marroquin, Kevin
Niejadlik, Alex
Pena, Alexander
Scuteri, Gianna
Snow, Alex
Soto, Deceli
Viard, Jenn
Young, Campbell

sratbag@rabbit:~/322 % sed -E 's/./& :/17' ppan
All children, exc :ept one, grow up. They soon know that they will
grow up, and the  :way Wendy knew was this. One day when she was 2
years old she was : playing in a garden, and she plucked another flower
and ran with it t :o her mother. I suppose she must have looked rather
delightful, for M :rs. Darling put her hand to her heart and cried,
"Oh, why can't yo :u remain like this for ever!" This was all that
passed between th :em on the subject, but henceforth Wendy knew that
she must grow up. : You always know after you are 2. 2 is the the
beginning of the  :end.

Of course they li :ved at 14 (their house number on their street),
```

```
sratbag@rabbit:~/322 % cat w

Ahrens, Jacob X
Alduraia, Hasan A H
Ali, Meagan
Alotaibi, Abdulla H
Bronsky, Alek V
Brown, Troi
Chen, Zonglu
Chowdhury, Chase
Foonberg, Asher
Fye, Dhilan Herbert J
Gonzalez, Devan
Li, Zeji Matilda Frances
Marroquin, Kevin
Niejadlik, Alex
Pena, Alexander Mussolini P
Scuteri, Gianna
Snow, Alex
Soto, Deceli
Viard, Jenn
Young, Campbell


sratbag@rabbit:~/322 % sed -E 's/([^ ]+( |$))//3' w

Ahrens, Jacob
Alduraia, Hasan H
Ali, Meagan
Alotaibi, Abdulla
Bronsky, Alek
Brown, Troi
Chen, Zonglu
Chowdhury, Chase
Foonberg, Asher
Fye, Dhilan J
Gonzalez, Devan
Li, Zeji Frances
Marroquin, Kevin
Niejadlik, Alex
Pena, Alexander P
Scuteri, Gianna
Snow, Alex
Soto, Deceli
Viard, Jenn
Young, Campbell

sratbag@rabbit:~/322 % sed -E 's/([^ ]+( |$))//3g' w

Ahrens, Jacob
Alduraia, Hasan
Ali, Meagan
```

```
Alotaibi, Abdulla
Bronsky, Alek
Brown, Troi
Chen, Zonglu
Chowdhury, Chase
Foonberg, Asher
Fye, Dhilan
Gonzalez, Devan
Li, Zeji
Marroquin, Kevin
Niejadlik, Alex
Pena, Alexander
Scuteri, Gianna
Snow, Alex
Soto, Deceli
Viard, Jenn
Young, Campbell
```

sratbag@rabbit:~/322 % **cat script1**
```
s/( |^)[a-zA-Z]{3}( |$)/((&))/g
s/( |^)[0-9]+( |$)/**&**/g
s/( |^)[a-zA-z]{7,8}( |$)/[7 or 8]/g
```

sratbag@rabbit:~/322 % **sed -E -f script1 ppan**
```
((All ))children, except one, grow up. They soon know that they will
grow up,(( and ))the(( way ))Wendy knew(( was ))this.(( One ))day when(( she ))was** 2**
years(( old ))she(( was ))playing in a garden,(( and ))she[7 or 8]another flower
((and ))ran with it to(( her ))mother. I suppose(( she ))must have looked rather
delightful,(( for ))Mrs. Darling(( put ))her hand to(( her ))heart(( and ))cried,
"Oh,(( why ))can't(( you ))remain like this(( for ))ever!" This(( was ))all that
passed[7 or 8]them on(( the ))subject,(( but ))henceforth Wendy knew that
((she ))must grow up.(( You ))always know after(( you ))are 2.** 2 **is(( the ))the
beginning of(( the ))end.

Of course they lived at** 14 **(their house number on their street),
((and ))until Wendy came(( her ))mother(( was ))the chief one.(( She ))was a lovely lady,
with a[7 or 8]mind(( and ))such a sweet[7 or 8]mouth.(( Her ))romantic mind
((was ))like(( the ))tiny boxes,(( one ))within(( the ))other, that come from(( the ))
[7 or 8]East,[7 or 8]many(( you ))discover there is always(( one ))more;(( and ))
((her ))sweet[7 or 8]mouth(( had ))one kiss on it that Wendy could never get,
though there is was, perfectly conspicuous in(( the ))right-hand corner.
```

sratbag@rabbit:~/322 % **cat script2**
```
s/( |^)([a-zA-Z]{3})( |$)/\1((\2))\3/g
s/( |^)([0-9]+)( |$)/\1**\2**\3/g
s/( |^)[a-zA-z]{7,8}( |$)/\1[7 or 8]\2/g
```

sratbag@rabbit:~/322 % **sed -E -f script2 ppan**
```
((All)) children, except one, grow up. They soon know that they will
grow up, ((and)) the ((way)) Wendy knew ((was)) this. ((One)) day when ((she)) was **2**
years ((old)) she ((was)) [7 or 8] in a garden, ((and)) she [7 or 8] another flower
((and)) ran with it to ((her)) mother. I [7 or 8] ((she)) must have looked rather
delightful, ((for)) Mrs. [7 or 8] ((put)) her hand to ((her)) heart ((and)) cried,
"Oh, ((why)) can't ((you)) remain like this ((for)) ever!" This ((was)) all that
passed [7 or 8] them on ((the)) subject, ((but)) henceforth Wendy knew that
((she)) must grow up. ((You)) always know after ((you)) are 2. **2** is ((the)) the
beginning of ((the)) end.
```

Of course they lived at **14** (their house number on their street),
((and)) until Wendy came ((her)) mother ((was)) the chief one. ((She)) was a lovely lady,
with a [7 or 8] mind ((and)) such a sweet [7 or 8] mouth. ((Her)) [7 or 8] mind
((was)) like ((the)) tiny boxes, ((one)) within ((the)) other, that come from ((the))

sratbag@rabbit:~/322 % **sed -E '/[0-9]+/s/(|^)[a-zA-Z]{4}(|$)/\1****\2/g' ppan**
All children, except one, grow up. They soon know that they will
**** up, and the way Wendy **** was this. One day **** she was 2
years old she was playing in a garden, and she plucked another flower
and ran with it to her mother. I suppose she must have looked rather
delightful, for Mrs. Darling put her hand to her heart and cried,
"Oh, why can't you remain like this for ever!" This was all that
passed between them on the subject, but henceforth Wendy knew that
she **** grow up. You always **** after you are 2. 2 is the the
beginning of the end.

Of course **** lived at 14 (their house number on their street),
and until Wendy came her mother was the chief one. She was a lovely lady,
with a romantic mind and such a sweet mocking mouth. Her romantic mind
was like the tiny boxes, one within the other, that come from the

sratbag@rabbit:~/322 % **sed -E 'y/abcdefghijklmnopqrstuvwxyz/ABCDEFGHIJKLMNOPQRSTUVWXYZ/' ppan**
ALL CHILDREN, EXCEPT ONE, GROW UP. THEY SOON KNOW THAT THEY WILL
GROW UP, AND THE WAY WENDY KNEW WAS THIS. ONE DAY WHEN SHE WAS 2
YEARS OLD SHE WAS PLAYING IN A GARDEN, AND SHE PLUCKED ANOTHER FLOWER
AND RAN WITH IT TO HER MOTHER. I SUPPOSE SHE MUST HAVE LOOKED RATHER
DELIGHTFUL, FOR MRS. DARLING PUT HER HAND TO HER HEART AND CRIED,
"OH, WHY CAN'T YOU REMAIN LIKE THIS FOR EVER!" THIS WAS ALL THAT
PASSED BETWEEN THEM ON THE SUBJECT, BUT HENCEFORTH WENDY KNEW THAT
SHE MUST GROW UP. YOU ALWAYS KNOW AFTER YOU ARE 2. 2 IS THE THE
BEGINNING OF THE END.

OF COURSE THEY LIVED AT 14 (THEIR HOUSE NUMBER ON THEIR STREET),
AND UNTIL WENDY CAME HER MOTHER WAS THE CHIEF ONE. SHE WAS A LOVELY LADY,
WITH A ROMANTIC MIND AND SUCH A SWEET MOCKING MOUTH. HER ROMANTIC MIND
WAS LIKE THE TINY BOXES, ONE WITHIN THE OTHER, THAT COME FROM THE

sratbag@rabbit:~/322 % **sed -E '/[0-9]+/=' ppan**
All children, except one, grow up. They soon know that they will
2
grow up, and the way Wendy knew was this. One day when she was 2
years old she was playing in a garden, and she plucked another flower
and ran with it to her mother. I suppose she must have looked rather
delightful, for Mrs. Darling put her hand to her heart and cried,
"Oh, why can't you remain like this for ever!" This was all that
passed between them on the subject, but henceforth Wendy knew that
8
she must grow up. You always know after you are 2. 2 is the the
beginning of the end.

11
Of course they lived at 14 (their house number on their street),
and until Wendy came her mother was the chief one. She was a lovely lady,
with a romantic mind and such a sweet mocking mouth. Her romantic mind

```
sratbag@rabbit:~/322 % sed -E -n '/[0-9]+/=' ppan
2
8
11
```

```
sratbag@rabbit:~/322 % awk '{ print "third word", $3 }' ppan
third word except
third word and
third word she
third word with
third word Mrs.
third word can't
third word them
third word grow
third word the
third word

sratbag@rabbit:~/322 % cat f1
joe smith 11 22 33
martha stewart 99 44 36
penelope ponyweather 33 66 11
pol pot 0 3 0

0
sratbag@rabbit:~/322 % awk '{ print $1, $2, ($3 + $4 + $5) / 3 }' f1
joe smith 22
martha stewart 59.6667
penelope ponyweather 36.6667
pol pot 1
  0

sratbag@rabbit:~/322 % cat awk2
{ a = ($3 + $4 + $5) / 3
  print $1, $2, a
  tot += a
  num += 1 }

END { print "average", tot / num }

sratbag@rabbit:~/322 % awk -f awk2 f1
joe smith 22
martha stewart 59.6667
penelope ponyweather 36.6667
pol pot 1
average 29.8333

sratbag@rabbit:~/322 % cat awk3
{ a = ($3 + $4 + $5) / 3
  print $1, $2, a
  tot += a
  num += 1 }

a > best { best = a
           champion = $1" "$2 }

END { print "average", tot / num
      print "champion", champion, "with", best }
```

```
sratbag@rabbit:~/322 % awk -f awk3 f1
joe smith 22
martha stewart 59.6667
penelope ponyweather 36.6667
pol pot 1
average 29.8333
champion martha stewart with 59.6667

sratbag@rabbit:~/322 % cat f2
joe smith 11 22 33
martha stewart 12 44 36
penelope ponyweather 33 66 11
pol pot 0 3 0

sratbag@rabbit:~/322 % cat awk4
BEGIN { best = 50
        champion = "they are all losers" }

{ a = ($3 + $4 + $5) / 3
  print $1, $2, a
  tot += a
  num += 1 }

a > best { best = a
           champion = $1" "$2 }

END { print "average", tot / num
      print "champion", champion, "with", best }

sratbag@rabbit:~/322 % awk -f awk4 f2
joe smith 22
martha stewart 30.6667
penelope ponyweather 36.6667
pol pot 1
average 22.5833
champion they are all losers with 50

sratbag@rabbit:~/322 % cat awk5
$1 == name { print $1, $2, $3, $4, $5 }

sratbag@rabbit:~/322 % awk '$1 == name { print $1, $2, $3, $4, $5 }' \
                           name=martha f1
martha stewart 99 44 36
```