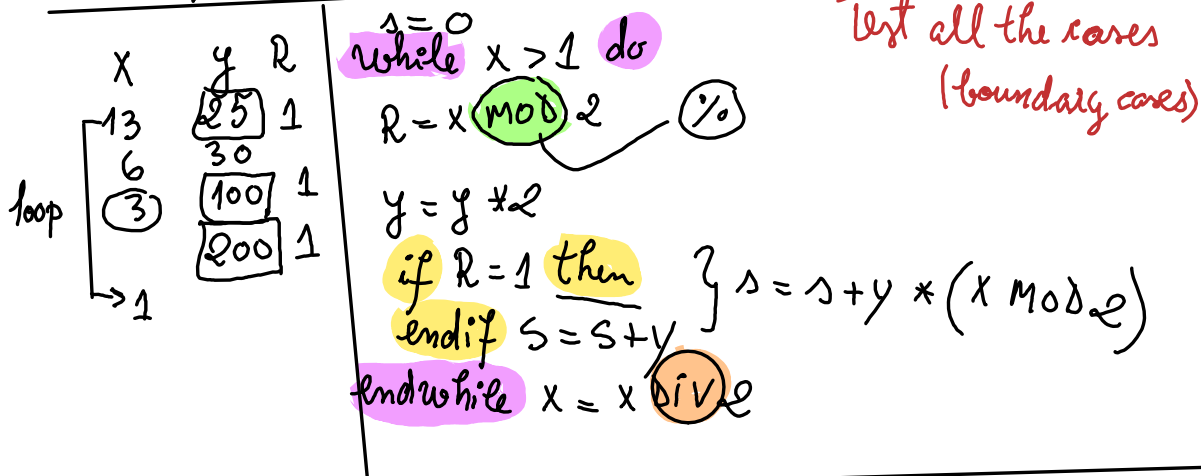


① Russian multiplication

input: x, y : integer

output: $x * y$

[description]



② Integer part of a number

input: x : real

output: $\lfloor x \rfloor$

[description]:

```

if x > 0 then
  while x > 0 do
    p = p + 1 // p += 1
    x = x - 1
  endwhile
else
  p = 0
  while x < 0 do
    p = p - 1
    x = x + 1
  endwhile
endif
  
```

③ Pancake problem

input

5	3	4	1	6	2
5	3	4	1	2	6
6	2	1	4	3	5
6	5	3	4	1	2
6	5	3	2	1	4
6	5	4	1	2	3
6	5	4	3	2	1

output

6 5 4 3 2 1

array sequence of values

$a[1 \dots n]$

$a[3]$

index

pseudocode

```

for j = 1 to n
  for i = 1 to n - j
    i = 1 start
    i = i + step
    i ≤ n
    max = a[i]
    index_max = 1
    if max < a[i] then
      index_max = i
      max = a[i]
    endif
  endfor
  if index_max = j
    if index_max != j then
      if index_max == n then
        h = j, h = n
        while h < n do
          a[h] ↔ a[n]
        endwhile
      endif
    endif
  endif
endfor
  
```

Example flip

5	3	4	1	6	2
---	---	---	---	---	---

↓

5	3	4	1	2	6
---	---	---	---	---	---

↓

5	3	4	1	2	6
---	---	---	---	---	---

↓

6	2	1	4	3	5
---	---	---	---	---	---

↓

6	5	3	4	1	2
---	---	---	---	---	---

↓

6	5	3	4	1	2
---	---	---	---	---	---

↓

6	5	3	4	1	2
---	---	---	---	---	---

↓

6	5	3	4	1	2
---	---	---	---	---	---