

# Solution Exercice 4 - Série 1

```

Begin
  if a < b * c
  then
    While a <= b*c
    do Begin a :=a+1;
      a := a*c;
    end
  else a := b*c;
end;

```

## 1. Code post-fixé :

```

Block
  a b c * -
  else BPZ
  et1 a b c * -
  et2 BP
  Block
    a a 1 + :=
    a a c * :=
  BlockEnd et1 BR
  et2 Fin BR
  else a b c * :=
Fin BlockEnd

```

## 2. Quadruplets :

1. ( Block, , , )
2. ( \*, b, c, T1 )
3. ( BPZ, 14, a, T1)
4. ( \*, b, c, T2)
5. ( BP, 13, a, T2)
6. ( Block, , , )
7. ( +, a, 1, T3)
8. ( :=, a, T3, )
9. ( \*, a, c, T4)
10. ( :=, a, T4, )
11. ( BlockEnd, , , )
12. ( BR, 4, , )
13. ( BR, 16, , )
14. ( \*, b, c, T5)
15. ( :=, a, T5, )
16. ( BlockEnd, , , )

## 3. Arbres abstraits :



