05 Maggio 2017

```
  IRx -> MAR, AC-> T2, 0 -> AC ; //1
  M[MAR] -> MBR, INC(MAR) -> MAR; //2
  MBR -> T1; //3
C: if OR(T1)==1 then
    M[MAR] -> MBR, T2 -> B; //4
    MBR -> A; //5
    if A0==0 then
      A-B -> A; //6
      if AND(A31==1, NOT OR(A)==0) then
        A+B -> B; //7
        AC -> A, 2 -> MBR; //8
        A+B -> AC, MBR -> M[MAR], INCR(MAR) -> MAR, DEC(T1) -> T1, goto C; //9
      else
        INCR(MAR) -> MAR, DEC(T1) -> T1, goto C; //10
      fi
    else
      A-B -> A;
      if AND(A31==0, NOT OR(A)==0) then
        A+B -> B;
        AC -> B, -2 -> MBR; //11
        A+B -> AC, MBR -> M[MAR], INCR(MAR) -> MAR, DEC(T1) -> T1, goto C;
      else
        INCR(MAR) -> MAR, DEC(T1) -> T1, goto C;
      fi
    fi
  else
    phi //0
  fi
```