

```
IRx → MAR;  
M[MAR] → MBR, INCR(MAR) → MAR;  
MBR → T1;  
MAR → AC, DEC(T1) → T1;  
M[MAR] → MBR, INCR(MAR) → MAR;  
MBR → A, MAR → AC;  
M[MAR] → MBR, INCR(MAR) → MAR;  
MBR → B, DEC(T1) → T1;  
A + B → T2;  
c;
```

```
if OR(T1)==1 then
  M[MAR]→ MBR, INCR(MAR)→ MAR;
  MBR → A;
  A+B → B;
  T2 → A;
  A-B → T3;
  if T3^31==1 then
    B → T2;
    IND → AC;
    MAR → IND, MBR → B, DEC(T1) → T1, go to c;
  Else
    MAR → IND, MBR → B, DEC(T1) → T1, go to c;
  fi
Else
  φ;
fi
```