		Double works	1
the CABCCT] == K);		A[0] = X25	Double word = 64b 8 eall
A[i] = A[c[i]]	World	B[0] = ×26	word=32b
i = j calculated!		C[0] = X2x	Half word = 16b
J = J+ 1	Halfword	i = ×28	
		j = X29	
		K = X30	
		1	

```
LOOPIO
                                                           half world
                 711° X5, X28, I
Add X5, X27, X5
H X6, 0 (X5)
   thin in
   the offset
    now for
                                                                word
                                      ; X5 = (C[i]) x 22 = C[i] x 4
                                      ) X5 = X26 + X5
  thin in
  the offset
                                             Base of Offset
  now for
  X7=AB[CCi]]
                                                               Pouble
                                                               word
             SII: X5, X2, 3
Add X5, X5, X25
                                       ) X5 = (B[CCi]) ×23 = B[CCi]
                                       ; X5 = X25 + X5
                     X_{Z}, O(x_5)
                                            Base of Offset
            BNE XX, X30, break Loop I
X6 = A [cci]
                                     X5, X6,
            S11;
                  X_{5}, X_{25}, X_{5}; X_{5} = X_{5} + X_{25}
            Add
                    \times_{6}, O(\times_{5})
                  x_{5}, x_{28}, 3 ) x_{5} = ix_{8} = 8i
           5119
                  X5, X5, X25 ; X5 = X5 + X25
          AJd
          Sd
                  X6, O(X5)
```

Add X28, X20, X0 ; i= 7+0=7i=7 Addi X20, X20, 1; J=J+I Bez Xo, Xo, Loop I break Loop 1: H while (A[B[CC]]] == K): A[i] = A[cci] J = J+ I

+ tor (i=0; i(15; i+=2); if (a==5): For (j=1; j<12; j++): a+=2 efae: i = x20 Q #= 10 [3]+1+1 Solution: Addi Xzo, Xo, O Addi X23, Xo, 15 LOOP 1: BGE X20, X23, LOOPIEXIT Addi X24, Xo, 5

BNE X21, X24, Eloe Add X22, X0, X20 Add; X25, X0, 12 Addi Loop 2: BRE X22, X25, increment I Addi X21, X21, 2 ANNI X22, X22, I Beg Xo, Xo, loop2

Elae:
511: X8, X21, 3 ; X8 = 0x8
Add $x_8, x_8, x_{21}$ ; $x_8 = 8a + a = 9a$
Add X21, X21, X8 ; X21 = a+9a=10a
increment I:
Addi X20, X20, 2
Beq Xo, Xo, Loop I
Loop I Exit: