Программа 1

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| **(1)** | **i = m-1 НББ** | **%i = sub nsw32 i32 %m , 1 ;** |
| **(2)** | **j = n** | **%j = %n ;** |
| **(3)** | **tl = 4\*n** | **%t1 = mul 4 , nsw32 i32 %n ;** |
| **(4)** | **v = a[tl]** | **%v =** |
| **(5)** | **L1: i = i+1 НББ** |  |
| **(6)** | **t2 - 4\*i** |  |
| **(7)** | **t3 = a[t2]** |  |
| **(8)** | **if t3<v goto L1** |  |
| **(9)** | **L2: j = j-1 НББ** |  |
| **(10)** | **t4 = 4\*j** |  |
| **(11)** | **t5 - a[t4]** |  |
| **(12)** | **if t5>v goto L2** |  |
| **(13)** | **if i>=j goto L3 НББ** |  |
| **(14)** | **t6 = 4\*i НББ** |  |
| **(15)** | **x = a[t6]** |  |
| **(16)** | **t7 = 4\*i** |  |
| **(17)** | **t8 = 4\*j** |  |
| **(18)** | **t9 = a[t8]** |  |
| **(19)** | **a[t7] = t9** |  |
| **(20)** | **t10 = 4\*j** |  |
| **(21)** | **a[t10] = x** |  |
| **(22)** | **goto L1** |  |
| **(23)** | **L3: t11 = 4\*i НББ** |  |
| **(24)** | **x = a[t11]** |  |
| **(25)** | **t12 = 4\*i** |  |
| **(26)** | **t13 = 4\*n** |  |
| **(27)** | **t14 = a[t13]** |  |
| **(28)** | **a[t12] = tl4** |  |
| **(29)** | **t15 = 4\*n** |  |
| **(30)** | **a[t15] = x** |  |