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**  |  |