Вариант 4

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| Команда | NZCV | Действие | Результат |
| movs r0, #0 | 0100 | r0 := 0 | r0 = 0 |
| moveq r1, #32 | 0100 | r1 := 32 | r1 = 0x20 |
| movne r1, #150 | 0100 | r2 := -1 | — |
| movs r2, #-1 | 1000 | r2 := -1 | r2 = 0xFFFFFFFF |
| movs r3, #255 | 0000 | r3 :=255 | r3 = 0xFF |
| movw r5, #0xcdef | 0000 | r5 := 0xcdef | r5 = 0xcdef |
| movt r5, #0x89ab | 0000 | r5 := 0x89abcdef | r5 = 0x89abcdef |
| ldr r6, = 0xfedcba98 | 0000 | r6 := 0xfedcba98 | r6 = 0xfedcba98 |
| mov r4, r0 | 0000 | r4 := r0 | r4 = 0 |
| adds r4, r1 | 0000 | r4 := r4 + r1 | r4 = 0x20 |
| add r4, r2 | 0000 | r4 := r4 + r2 | r4 = 0x1F |
| movs r7, r4, lsr # 2 | 0010 | r7 := r4 / 2 | r7 = 0x07 |
| add r8, r4, #25 | 0010 | r8 := r4 + 25 | r8 = 0x38 |
| add r9, r7, r4 | 0010 | r9 := r7 + r4 | r9 = 0x26 |
| add r10, r4, r7, lsr # 2 | 0010 | r10 = r4 + r7 / 2 | r10 = 0x20 |
| push {r4} | 0010 | M(SP):=r4  SP := SP - 4 | M(0x200003FC) = 0x00 00 00 FF  SP = 0x200003FC |
| push {r5-r7} | 0010 | M(SP):=r5  SP := SP – 4  M(SP):=r6  SP := SP – 4  M(SP):=r7  SP := SP - 4 | M(0x200003FB) = 0x00 00 00 07  SP =0x200003F7  M(0x200003F7) = 0xFE DC BA 98  SP =0x200003F3  M(0x200003F3) = 0x89 AB CD EF  SP =0x200003EF |
| pop {r1, r0} | 0010 | r0 := M(SP)  SP := SP + 4  r1 := M(SP)  SP := SP + 4 | r0 = 89 AB CD EF  r1 = FE DC BA 98  SP = 0x20 00 03 F8 |
| mov r0, #0x20000000 | 0010 | r0 := 0x20000000 | r0 = 0x20000000 |
| str r5, [r0],#4 | 0010 | M(r0) := r5  r0 := r0 + 4 | M(0x20000000)=0x89 AB CD EF  r0 = 0x20000004 |
| str r6, [r0],#4 | 0010 | M(r0) := r6  r0 := r0 + 4 | M(0x20000004)=0xFE DC BA 98  r0 = 0x20000008 |
| str r7, [r0],#4 | 0010 | M(r0) := r7  r0 := r0 + 4 | M(0x20000008)=0x00 00 00 07  r0 = 0x2000000C |
| ldr r8, [r0,#-4]! | 0010 | r8 := M(r0)  r0 := r0 - 4 | r8 = 0x00 00 00 07  r0 = 0x20000008 |
| ldr r9, [r0,#-4]! | 0010 | r9 := M(r0)  r0 := r0 - 4 | r9 = 0xFE DC BA 98  r0 = 0x20000004 |
| ldr r10, [r0,#-4]! | 0010 | r10 := M(r0)  r0 := r0 - 4 | r10 = 0x89 AB CD EF  r0 = 0x20000000 |
| ldr r0, = 0x12345678 | 0000 | r0 := 0x12345678 | r0 = 0x12 34 56 78 |
| rbit r1, r0 | 0000 |  | r1 = 0x1E 6A 2C 48 |
| rev r2, r0 | 0000 |  | r2 = 78 56 34 12 |
| rev16 r3, r0 | 0000 |  | r3 = 34 12 78 56 |
| revsh r4, r0 | 0000 |  | r4 = 00 00 78 56 |

45 = 2D

780 = 30C

21 = 15