Assignment 2 - Part A

set 1

Bit Field = 0x49D723

right most bit = 11

number of bits = 9

set 2

Bit Field = 0x1BA621B0

right most bit = 4

number of bits = 4

set 3

Bit Field = 0xDEADBEEF

right most bit = 8

number of bits = 22

Assignment 2 - Part B  
Values to multiply

|  |  |  |  |
| --- | --- | --- | --- |
| Set | Multiplicand | Multiplier | Result (this is the product and multiplier register, respectively) |
| 1 | 82732983 (0x04ee67b7) | 120490892 (0x072e8b8c) | 9968570919490836 (0x00236a5c and 0xc8931514) |
| 2 | 82732983 (0x04ee67b7) | -120490892 (0xf8d17474) | -9968570919490836 (0xffdc95a3 and 0x376ceaec) |
| 3 | -82732983 (0xfb119849) | -120490892 (0xf8d17474) | 9968570919490836 (0x00236a5c and 0xc8931514) |