Reprezentați numărul +A4,5D în virgulă flotantă dublă precizie

1. +1010 0100, 0101 11012
2. Представление числа в виде мантиса експонента (мантиса со скрытым битом)

1,М\*2e = 1,010 0100 0101 1101 \* 27

1. Для двойной точности C = 1023 + 7=1030= 1024 + 6

В двоичной системе счисления C будет представлено: 10000000110

1. Для представления чисел с плавоющей запятой двойной точности представляем регистр на 64 позициях

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | … | 0 |