→ Large Exponentiation with FFF & Euler's Theorem (code):


```
CONST INT M = 1e9 + 7;

LL BINEXP(LL A, LL B, LL m)
{
    LL ANS = 1;
    WHILE (B > 0)
    {
        IF (B & 1)
        {
            ANS = (ANS * A) % m;
        }
        A = (A * A) % m;
        B >>= 1;
    }
    RETURN ANS;
}
```

```
INT MAIN( )
{
    -> Calculate 50^(64^32) % M
    -> M = 1e9+7 here, which is prime no.
    COUT << BINEXP(50, BINEXP(64, 32, M-1), M);
    RETURN 0;
}
```