

## *Base 2 to Base 10*

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I am going to introduce the python code about how to change base 2 to base 10. If you can grasp it, it would be useful.

IBM.jpg

Figure 1:

### HERE IS THE CODE

```
c=5112
a=5112
b=2
e=0
ans=""
while c>(b**e):
    m=a%(b**(e+1))
    n=m/(b**e)
    ans=str(n)+ans
    a=a-m
    e=e+1
print ans
```

"c" is the number that going to calculate, "a" is the number that beginning number, all of them will be used in the code. "b" means the base. It can change c=5112 to the 5112 of base 10, and then it will print answer.

1001111111000

this is the output of this code.