#include <stdio.h>

void calcMc(int number)

{

int boxesOf4,modVal;

modVal=number%4;

if (modVal==0)

{

boxesOf4=number/4;

printf("\n you need %d boxes of 4, 0 boxes of 6, 0 boxes of 9 and 0 boxes of 20", boxesOf4);

}

if (modVal==1)

{

number=number-1-4-4;

boxesOf4=((number)/4);

printf("\n you need %d boxes of 4, 0 boxes of 6, 1 box of 9 and 0 boxes of 20 ", boxesOf4);

}

if (modVal==2)

{

number=number-6;

boxesOf4=((number)/4);

printf("\n you need %d boxes of 4, 1 box of 6, 0 boxes of 9 and 0 boxes of 20", boxesOf4);

}

if (modVal==3)

{

number=number-9-6;

boxesOf4=((number)/4);

printf("\n you need %d boxes of 4,1 box of 6, 1 box of 9 and 0 boxes of 20", boxesOf4);

}

}

int main()

{

int number;

printf("Enter number : \n");

scanf("%d", &number);

if (number==1 || number==2 || number==3 || number==5 || number==7 || number==11)

{

printf("not mcnugget");

}

else

{

printf("here is the mcnugget combination");

calcMc(number);

}

return 0;

}