**//Lucky Number**

#include <stdio.h>

int main() {

int n;

scanf("%d", &n);

if ((n%4 == 0) || (n%7 == 0) || (n%47 == 0) || (n%74 == 0) || (n%444 == 0) ||

(n%447 == 0) || (n%474 == 0) || (n%744 == 0) || (n%477 == 0) || (n%774 == 0) ||

(n%747 == 0) || (n%777 == 0)) {

printf("YES\n");

} else {

printf("NO\n");

}

return 0;

}

**//Watermelon**

#include <stdio.h>

int main(){

int w;

scanf("%d", &w);

if(w % 2 == 0 && w > 2){

printf("YES\n");

}

else{

printf("NO\n");

}

return 0;

}

**//Bear and Big Brother**

#include <stdio.h>

int main() {

int a, b, i;

scanf("%d %d", &a, &b);

for (i = 1;; i++) {

a \*= 3;

b \*= 2;

if (a > b) {

break;

}

}

printf("%d\n", i);

return 0;

}

**//Way to long word**

#include <stdio.h>

#include <string.h>

int main() {

int n;

char s[101];

scanf("%d", &n);

for (int i = 0; i < n; i++) {

scanf("%s", s);

int len = strlen(s);

if (len > 10) {

printf("%c%d%c\n", s[0], len - 2, s[len - 1]);

} else {

printf("%s\n", s);

}

}

return 0;

}