#include <stdio.h>

int main (void)

{

double CM = 3.4, H = 0.31, NO = 0.4, NH = 0.25, CM2 = 4.2, H2 = 0.39, NO2 = 0.5, NH2 = 0.31, gNum, result;

int pNum, oNum;

printf("(1) Carbon monoxide\n");

printf("(2) Hydrocarbons\n");

printf("(3) Nitrogen\n");

printf("(4) Nonmethane hydrocarbons\n");

printf("Enter pollutant number -->");

scanf("%d", &pNum);

printf("Enter numbers of grams emitted per mile -->");

scanf("%lf", &gNum);

printf("Enter odometer reading -->");

scanf("%d", &oNum);

if(oNum <= 50000)

{

if(pNum = 1)

{

if(gNum <= CM)

{

printf("Emissions do exceed permitted level of %lf\n" ,CM);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,CM);

}

}

else if(pNum = 2)

{

if(gNum <= H)

{

printf("Emissions do exceed permitted level of %lf\n" ,H);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,H);

}

}

else if(pNum = 3)

{

if(gNum <= NO)

{

printf("Emissions do exceed permitted level of %lf\n" ,NO);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,NO);

}

}

else if(pNum = 2)

{

if(gNum <= NH)

{

printf("Emissions do exceed permitted level of %lf\n" ,NH);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,NH);

}

}

}

if(oNum > 50000)

{

if(pNum = 1)

{

if(gNum <= CM2)

{

printf("Emissions do exceed permitted level of %lf\n" ,CM2);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,CM2);

}

}

else if(pNum = 2)

{

if(gNum <= H2)

{

printf("Emissions do exceed permitted level of %lf\n" ,H2);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,H2);

}

}

else if(pNum = 3)

{

if(gNum <= NO2)

{

printf("Emissions do exceed permitted level of %lf\n" ,NO2);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,NO2);

}

}

else if(pNum = 2)

{

if(gNum <= NH2)

{

printf("Emissions do exceed permitted level of %lf\n" ,NH2);

}

else

{

printf("Emissions do not exceed permitted level of %lf\n" ,NH2);

}

}

}

}