Numer indeksu ……..

(5 pkt) Narysuj stan pamięci programu:

Program A:

```
int f(int x) {
    char y[10];
    int * z = new int;
    (*z) = 555;
    int o = (*z);
    delete z;
    return o;
}

int main()
{
    int a, b;
    a = f(1);
    char c[5];
    b = f(2);
    return 0;17.
}
```

Program B:

```
void f(char x[5]) {
    // nothing
    // nothing
    int y = 10;
    y = 10 * sizeof(x);
}

int main(){
    char t[5] = "abc";
    for (int i = 0; i < 3; ++i) {
        f(t);
    }
    return 0;
}
```

Program C:

```
int main()
{
    int x = 0;
    for (int i = 0; i < 100; ++i)
        x *= x;
    }
    return 0;
}
```

Program D:

```
int main()
{
    for (int i = 0; i < 100; ++i) {
        int x = x * i;
        std::cout << x << std::endl;
    }
    return 0;
}

```

Program E:

```
int g(int x) {
    g(x);
}

int main()
{
    return g(1);
}

```

Program F:

```
struct X { int a; char b[7]; int c[2]; };

void f(X * pt) {
    (*pt).a = 66;
}

void g(X t) {
    t.a = 66;
}

int main()
{
    X * a = new X();
    f(a);
    delete a;
    int * b = new int;
    X c = { 1, "abbcd", {1,2} };
    return 0;
}

```