

```
%FOR 5
```

```
function vysledek=nf5(x,y,z)
```

```
    N=length(x);
```

```
    s=0;
```

```
    for i=2:N-1
```

```
        s=s+(x(i)^3*y(i-1)/y(i+1));
```

```
    end
```

```
    M=length(z);
```

```
    p=1;
```

```
    for i=2:M-1
```

```
        p=p*(z(i-1)+z(i+1));
```

```
    end
```

```
    vysledek=s-p;
```

```
end
```

```
% testovací hodnoty
```

```
% x=[1:5]
```

```
% y=ones(1,5)
```

```
% z=x
```

```
% vysledek ma vyjit -93
```