

```
%clc
clear
clf
while 1
    n=input('Zadej n=');
    if n>4 & n<=15 & round(n)==n
        break
    end
end
%pst
a1=3;
d=0.5;
for i=1:n
    a(i)=a1+(i-1)*d;
end
akce=menu('Vyber si:', 'n-ty clen', 'Vypis', 'Graf');
switch akce
    case 1
        fprintf('%d. clen psti je %3.1f\n', n, a(n))
    case 2
        for i=1:n
            fprintf('a(%i)=%3.1f\n', i, a(i))
        end
    case 3
        hold on
        for i=1:n
            if mod(i,2)==0
                plot(i, a(i), 'rx')
            else
                plot(i, a(i), 'go')
            end
        end
        xlabel('n')
        ylabel('a(n)')
end
```