```
theta = atan(0.2/0.05);
d = cos(theta);
e = sin(theta);
a = -200/11;
b = 100;
A = [d 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0;
     e 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0;
     d 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0;
     e 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0;
     0 1 0 0 d 1 0 0 0 0 0 0 0 0 0 0 0;
     0 0 1 0 e 0 0 0 0 0 0 0 0 0 0 0 0;
     0 0 0 1 d 0 0 1 0 0 0 0 0 0 0 0 0;
     0 0 0 0 e 0 1 0 0 0 0 0 0 0 0 0 0;
     0 0 0 0 0 1 0 0 d 1 0 0 0 0 0 0 0;
     0 0 0 0 0 0 1 0 e 0 0 0 0 0 0 0 0;
     0 0 0 0 0 0 0 1 d 0 0 1 0 0 0 0 0;
     0 0 0 0 0 0 0 0 e 0 1 0 0 0 0 0 0;
     0 0 0 0 0 0 0 0 0 1 0 0 d 1 0 0 0;
     0 0 0 0 0 0 0 0 0 0 1 0 e 0 0 0 0;
     0 0 0 0 0 0 0 0 0 0 0 1 d 0 0 1 0;
     0 0 0 0 0 0 0 0 0 0 0 0 e 0 1 0 0;
     0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 d;
     0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 e];
b=[0;-a;0;0;0;-(a+b);0;0;0;-a;0;0;0;-a;0;0;0;-a];
s = (linsolve(A,b));
s19_2 = 2*s(17)*e
```

```
s19_2 = -18.1818
```

```
s19_1 = a
```

```
s19_1 = -18.1818
```

```
s(19)=s19_1;
i = (1:19)';
res = [i,s];
disp(res)
```

```
    1.0000   18.7414
    2.0000   -4.5455
    3.0000  -18.1818
    4.0000   -4.5455
    5.0000  -65.5949
    6.0000   20.4545
    7.0000   63.6364
    8.0000   20.4545
    9.0000  -46.8535
   10.0000   -9.0909
   11.0000   45.4545
   12.0000   -9.0909
   13.0000  -28.1121
   14.0000   15.9091
   15.0000   27.2727
   16.0000   15.9091
   17.0000   -9.3707
```

```
18.0000  -13.6364
19.0000  -18.1818
```