

```
Exit[]
```

```
a = {1, 2, 3, 4, 5}; A = 4;
```

```
p[i_, x_] := Exp[(a[[i]] - A) * x]
```

```
NSolve[Sum[p[i, x], {i, 1, 5}] == 6, x]
```

Solve::ifun: Inverse functions are being used by Solve, so some solutions may not be found; use Reduce for complete solution information. >>

```
{{x -> -0.69866 - 2.20459 i}, {x -> -0.69866 + 2.20459 i}, {x -> -0.157612}, {x -> 1.55493}}
```

```
Plot[{Sum[p[i, x], {i, 1, 5}], 6}, {x, 0, 2}]
```

