```
\rightarrow AK := Q \cdot MatrixPower(J, k) \cdot MatrixInverse(Q) \cdot Vector\left(\left[\frac{(1 - \operatorname{sqrt}(5))}{2}, 1\right]\right):
> recursion := \frac{AK[1]}{AK[2]}:
 > limit(recursion, k = infinity)
                                               -\frac{\sqrt{5}}{2}+\frac{1}{2}
                                                                                                              (1)
🗫 # Nu met een kleine epsilon toegevoegd
 > AK := Q \cdot MatrixPower(J, k) \cdot MatrixInverse(Q) \cdot Vector\left(\left[\frac{(1 - \operatorname{sqrt}(5))}{2}\right]\right)
         + epsilon, 1 + epsilon):
> recursion := \frac{AK[1]}{AK[2]}:
| limit(recursion, k = infinity)
                                                \frac{3\sqrt{5}+5}{5+\sqrt{5}}
```

(2)