In[]:= **Reduce[n^2 + n - 1 > 0, {n}]**

Out[]= $n < \frac{1}{2}\left(-1-\sqrt{5}\right) \;||\; n > \frac{1}{2}\left(-1+\sqrt{5}\right)$

In[]:= **Reduce[m > 2, m]**

Out[]= $m > 2$

In[]:= **Simplify[n^2 + n - 1 > 0]**

Out[]= $n + n^2 > 1$

In[]:= **Reduce[1 - 1/(n + 1) > 1 - 1/n, n]**

Out[]= $n < -1 \;||\; n > 0$

In[]:= **Reduce[n/(n + 1) > (n - 1)/n, n]**

Out[]= $n < -1 \;||\; n > 0$

In[]:= **Reduce[(n^2 - (n + 1) (n - 1))/n^2 + n > 0, n]**

Out[]= $-1 < n < 0 \;||\; n > 0$

In[]:= **Simplify[n/(n + 1) - (n - 1)/n]**

Out[]= $\frac{1}{n + n^2}$

In[]:= **Reduce[1/(n^2 + n) > 0, n]**

Out[]= $n < -1 \;||\; n > 0$

In[]:= **1/(n^2 + n) > 0 == 1 > n^2 + n**

Out[]= False

In[]:= **Reduce[n^2 + n > 0, n]**

Out[]= $n < -1 \;||\; n > 0$

In[]:= **Expand[(n + 1)^2]**

Out[]= $1 + 2n + n^2$

In[]:= **Reduce[1 + 1/(n + 1) < 1 + 1/n, n]**

Out[]= $n < -1 \;||\; n > 0$

In[]:= **Reduce[(-2 n + 3)/(n^2 + n) < 0, n]**

Out[]= $-1 < n < 0 \;||\; n > \frac{3}{2}$

In[•]:= **Simplify**$\left[\frac{n+2}{n+1} - \frac{n+1}{n}\right]$

Out[•]= $-\frac{1}{n + n^2}$

In[•]:= $\left\{\text{Reduce}\left[1 - \frac{1}{n} < 1, n\right], \text{Reduce}\left[\frac{-1}{n} < 0, n\right]\right\}$

Out[•]= $\{n > 0, n > 0\}$

In[•]:= $\text{Reduce}\left[x^2 - x - 6 > 0, x\right]$

Out[•]= $x < -2 \mid\mid x > 3$

In[•]:= $\text{Limit}\left[\frac{1}{n^2}, n \to \infty\right]$

Out[•]= 0

In[•]:= $\{\text{Reduce}[5 - 6x \leq 9, x], \text{Reduce}[-(5 - 6x) \leq 9, x]\}$

Out[•]= $\left\{x \geq -\frac{2}{3}, x \leq \frac{7}{3}\right\}$

In[•]:= $\{N@5/2, N@8/3, N@11/4, N@14/5\}$

Out[•]= $\{2.5, 2.66667, 2.75, 2.8\}$

In[•]:= $\left\{\text{Limit}\left[3 - \frac{1}{n}, n \to \infty\right], \text{Limit}\left[4 + \frac{1}{n}, n \to \infty\right]\right\}$

Out[•]= $\{3, 4\}$