$$\left\{\begin{array}{c}4+x\left(x+5\right)\geq 0\\x \ne 5\end{array}\right.$$

 $$\left\{\begin{array}{c}x^{2}+5x+4\geq 0\\x \ne -5\end{array}\right.$$

 X1 = -4 x2 = -1

$$x\in \left(-\infty ; -5)∪(-5;-4\right]∪[-1;\infty )$$