$\int x e^{x} dx = x e^{x} - \int e^{x} dx \qquad (\text{Por [IP] con: } g(x) := e^{x})$ $= x e^{x} - e^{x}$ $V_{en:Figure} \text{ SE Esta IGUALIATE}$ $e^{x} \text{ Venifigure} \text{ Since } \int x e^{x} dx = x e^{x} - e^{x}$