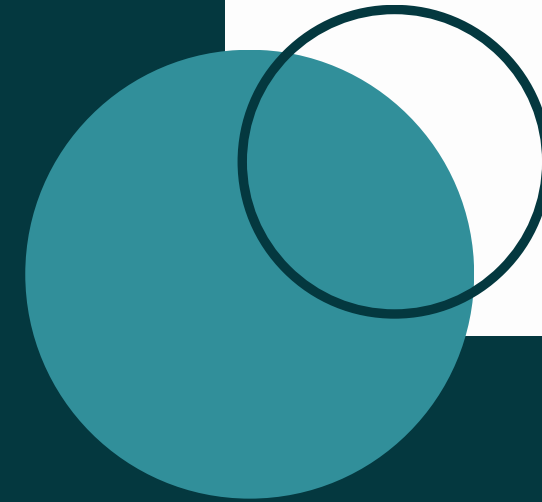


TRABAJO 1

# Soluciones Iniciales

Felipe Henao



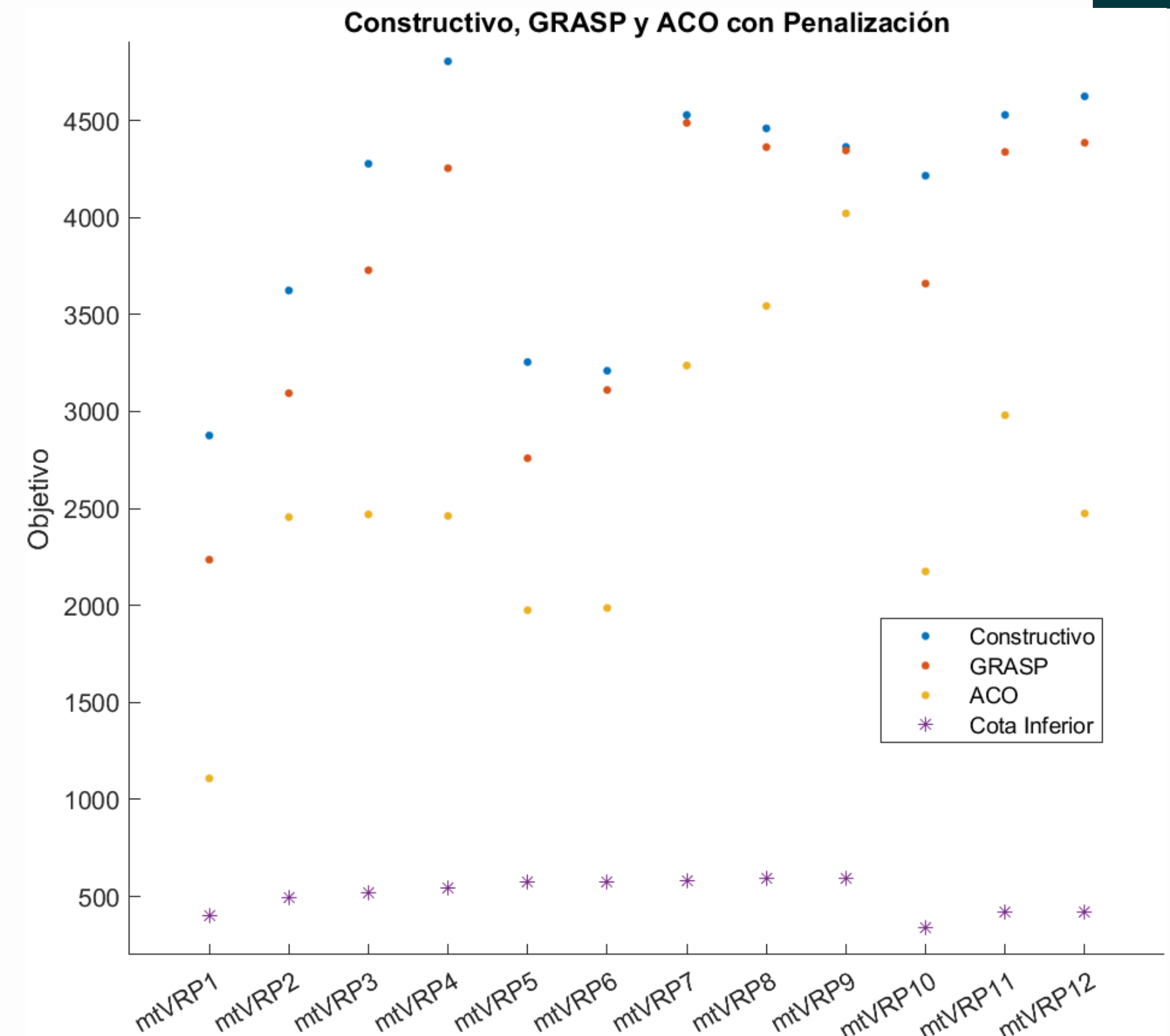
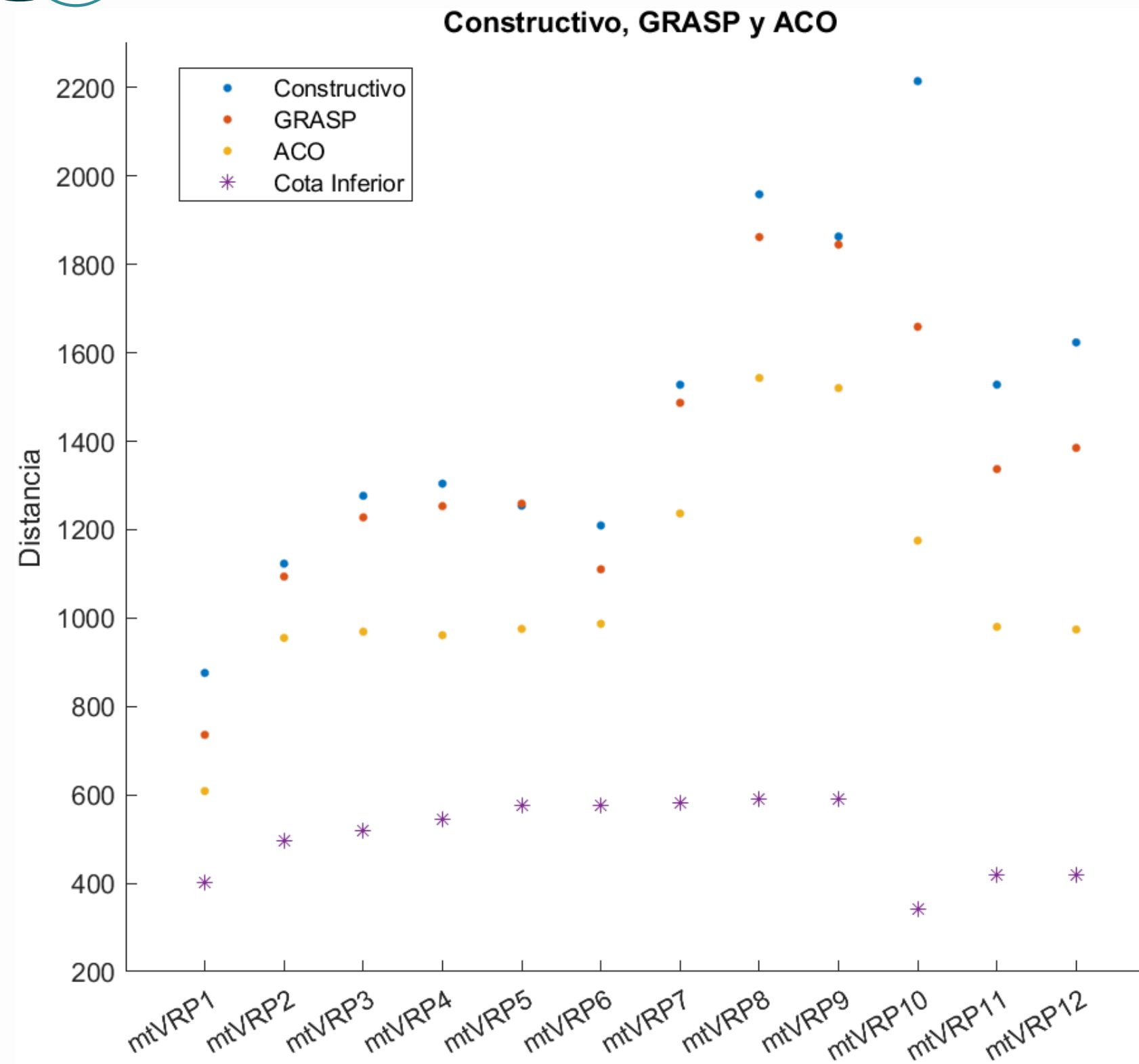
# DESCRIPCIÓN DE LOS ALGORITMOS IMPLEMENTADOS

Metodo  
Constructivo

GRASP

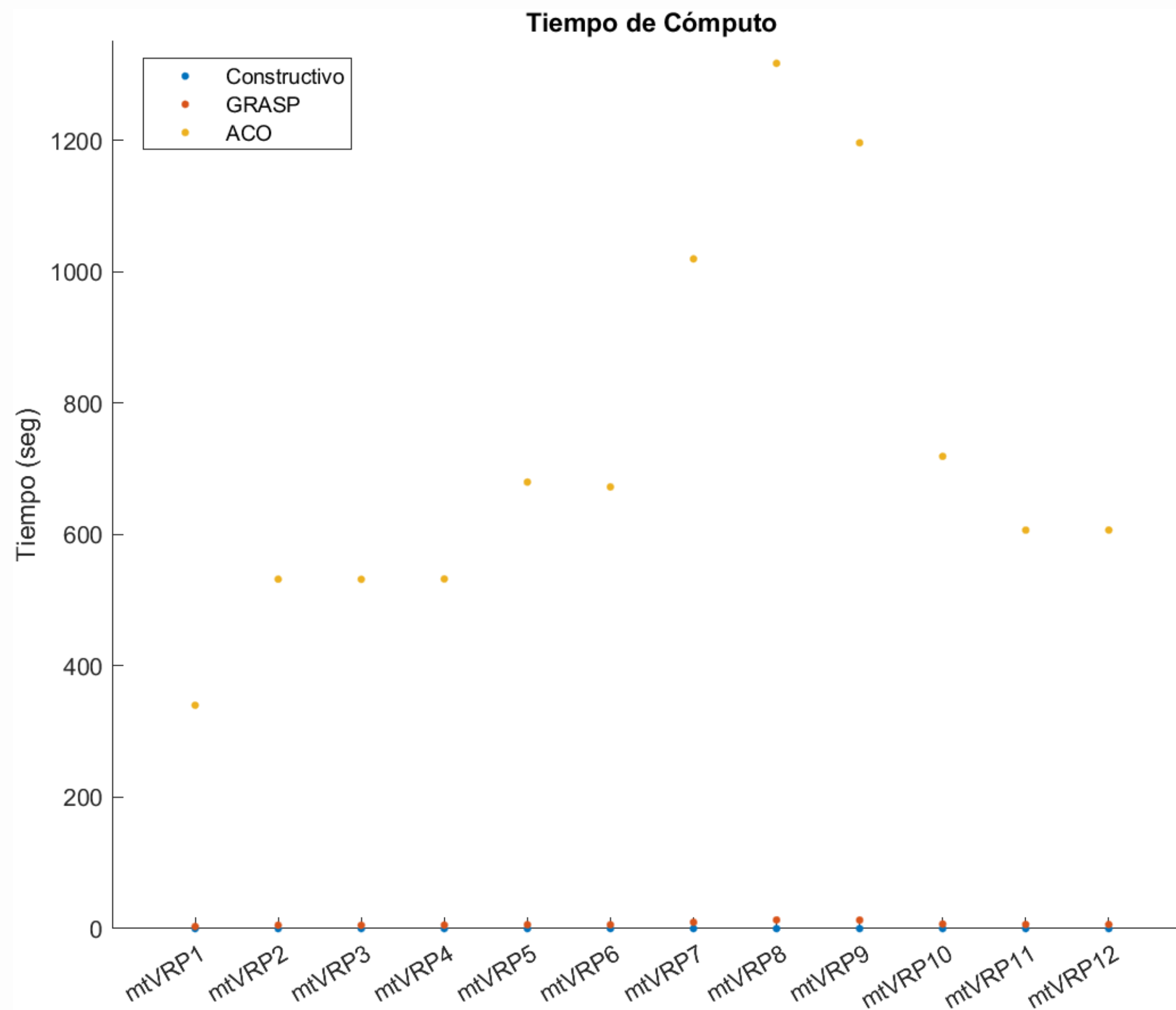
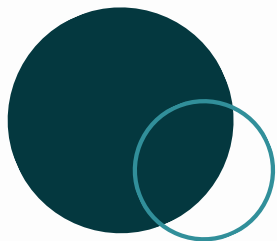
ACO

# COMPARACIÓN ENTRE MÉTODOS

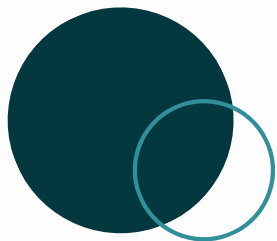


**Grasp - nSol=10000, k=2**

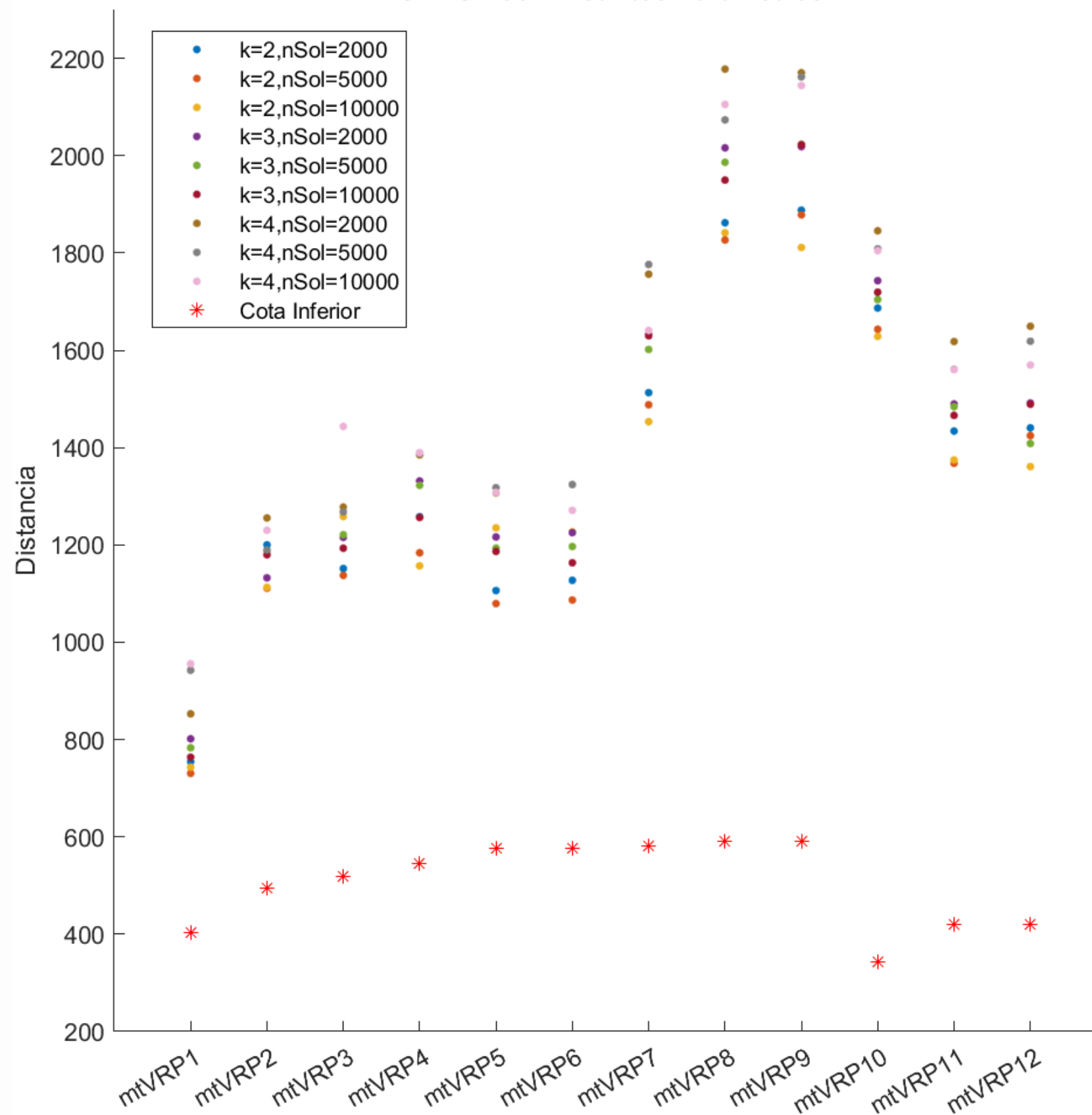
**ACO - m=50, Q=1,  $\alpha=1$ ,  $\beta=3$ ,  $\rho=0.5$ , n=1000**



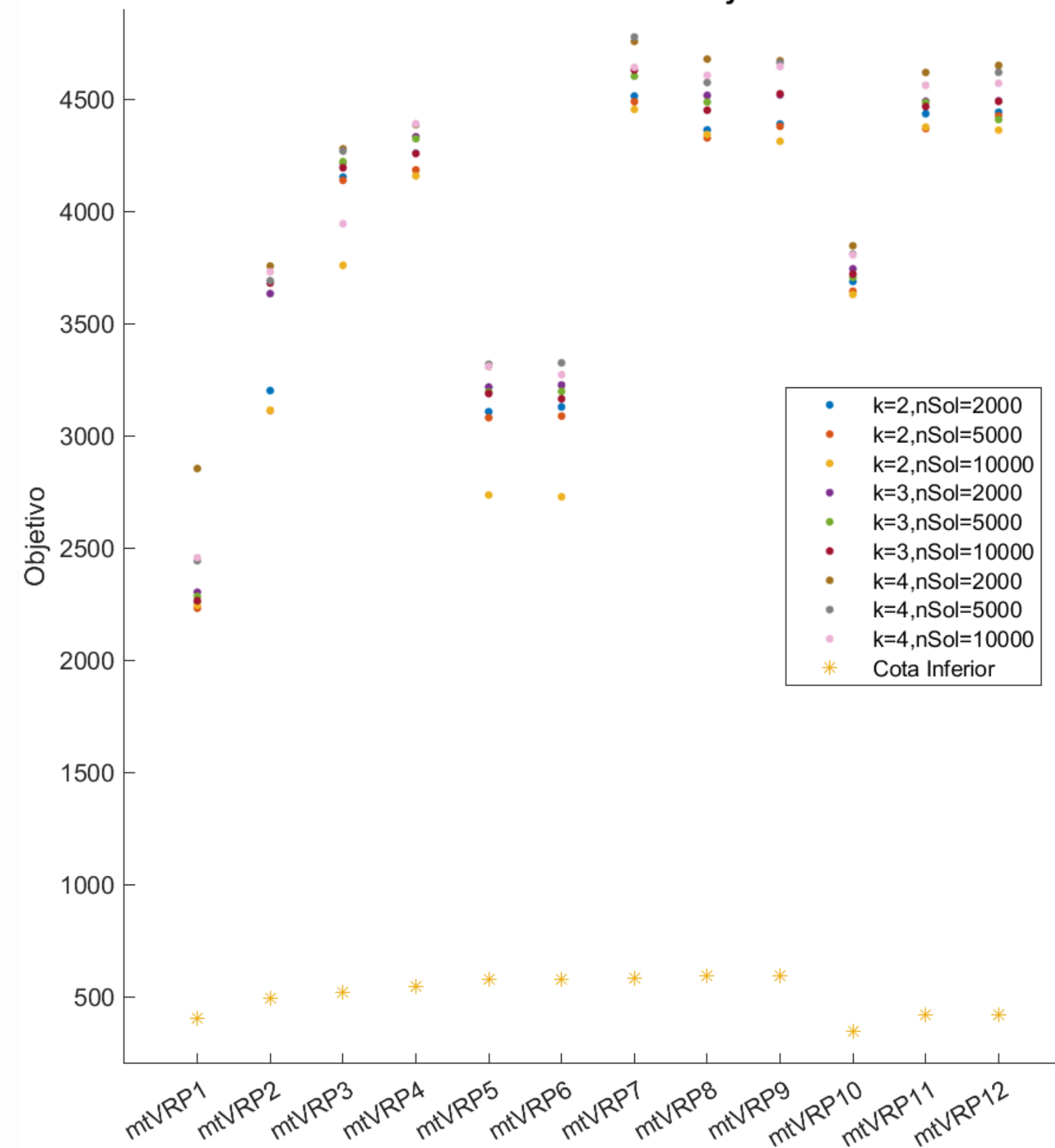
# GRASP CON DISTINTOS PARÁMETROS

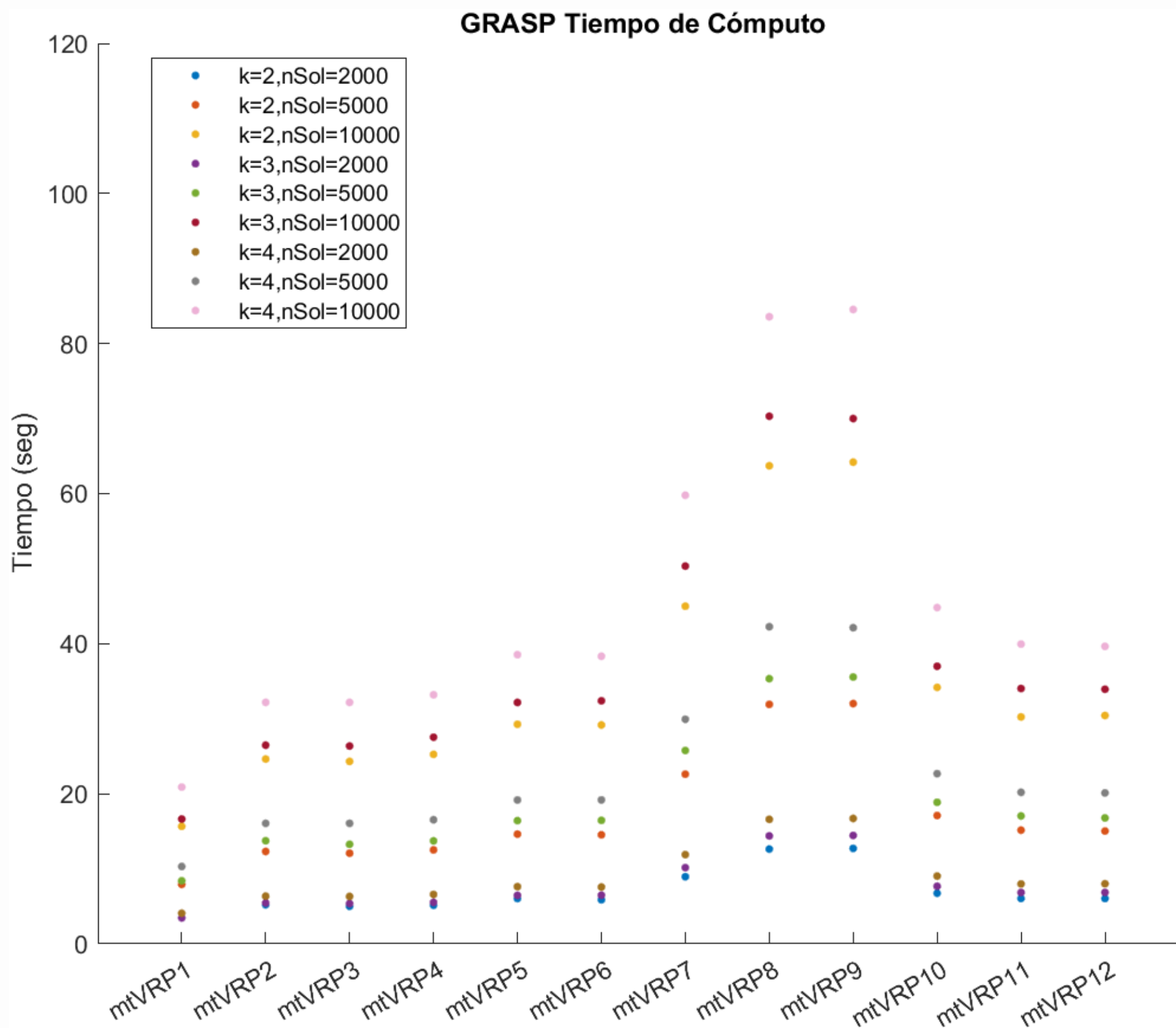
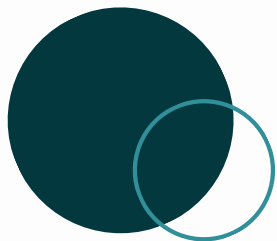


GRASP con Distintos Parámetros



GRASP con Distintos Parámetros y Penalización



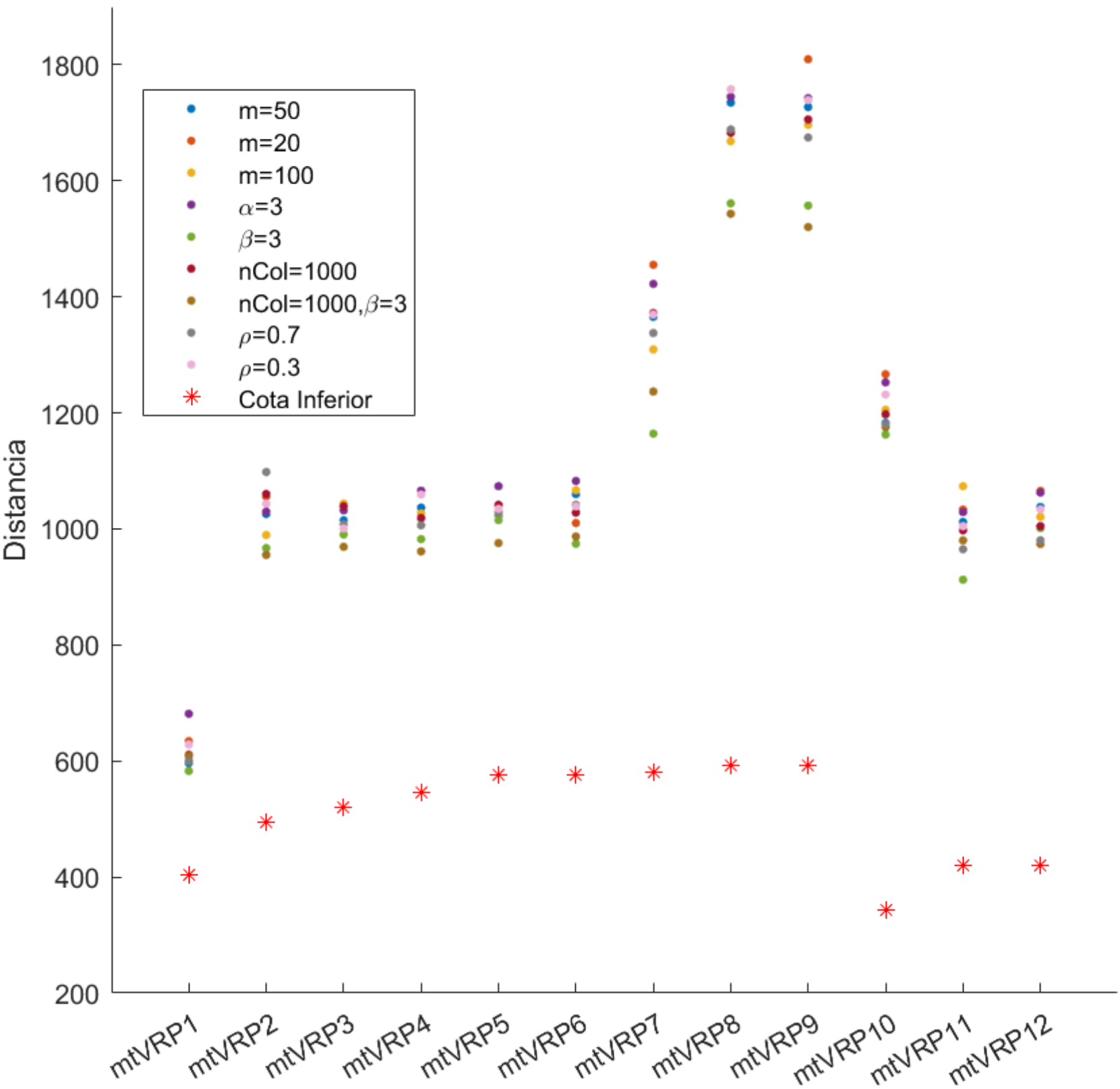




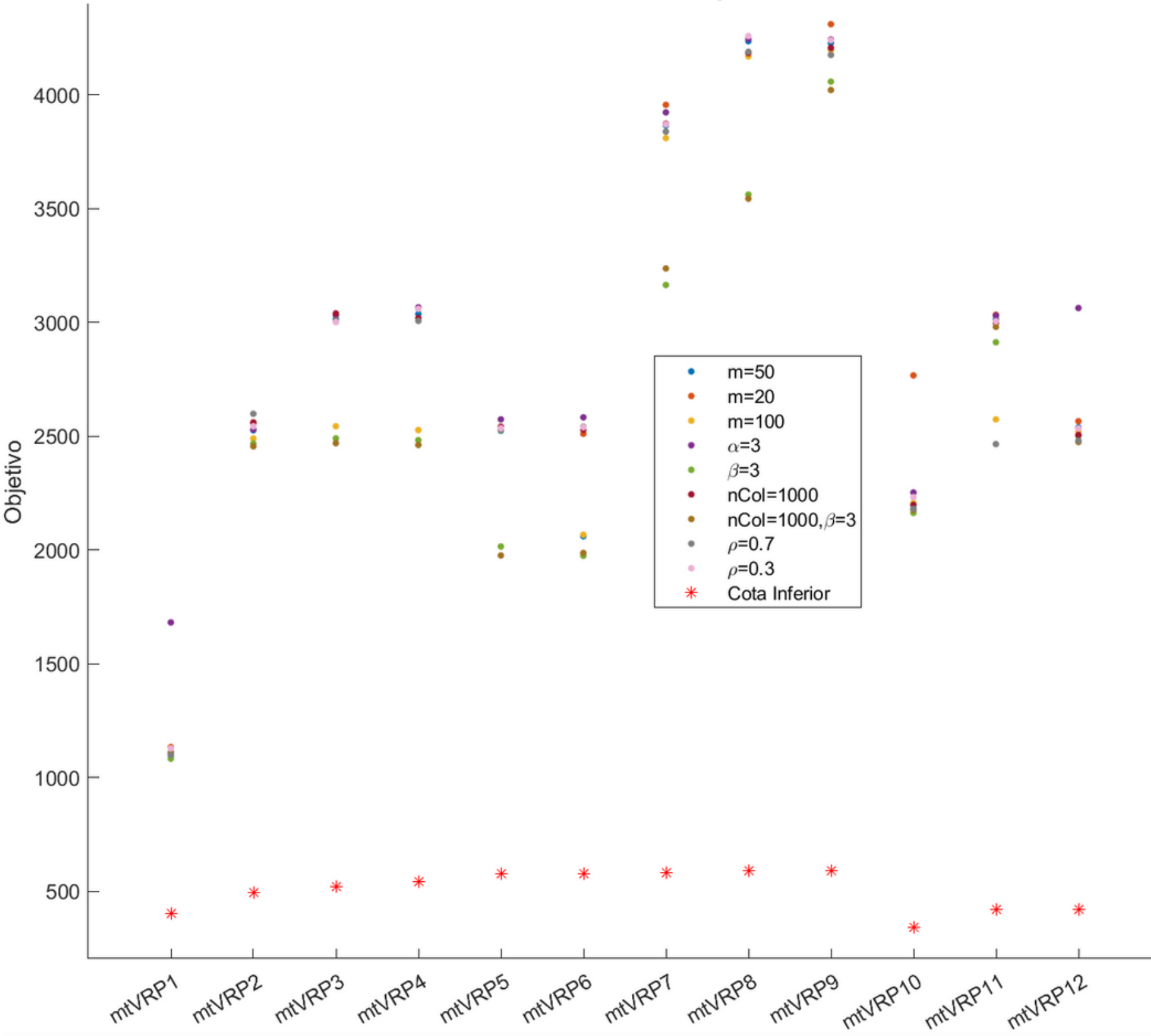
# ACO CON DISTINTOS PARÁMETROS

**m=50, Q=1,  $\alpha=1$ ,  $\beta=1$ ,  $\rho=0.5$ , n=500**

ACO con Distintos Parámetros



ACO con Distintos Parámetros y Penalización



**$m=50$ ,  $Q=1$ ,  $\alpha=1$ ,  $\beta=1$ ,  $\rho=0.5$ ,  $n=500$**

