

4 PAGES / PÁGINAS

Candidate session number: / Numéro de session du candidat: / Número de convocatoria del alumno:

						-					
--	--	--	--	--	--	---	--	--	--	--	--

Candidate name: / Nom du candidat: / Nombre del alumno:

--	--	--	--	--	--	--	--	--	--	--	--

At the start of each answer to a question, write the question number in the box using your normal hand writing / Avant de répondre à une question, inscrivez son numéro à la main dans la case appropriée / Al comienzo de cada respuesta, escriba a mano el número de pregunta en la casilla.

Example
Ejemplo

27

2	7
---	---

Example
Ejemplo

3

3

3

Roulette wheel selection is an algorithm that ~~that~~ ~~get~~ randomly selects solutions in a population, ~~without~~ ~~giving~~ giving selection bias to solutions with a higher fitness.

Truncation selection, on the other hand, will remove a certain number of less fit solutions in each generation, in favour of those with higher fitness levels.

Both require a reasonable amount of processing power; RWS must calculate relative, proportional selection bias, while truncation selection must sort the solutions prior to truncation. Both must calculate fitness in each ~~generation~~ generation.

RWS will favour an element of exploration, helping the algorithm escape out of local extrema, as less fit chromosomes still have the chance to be selected.

In contrast, truncation selection is an elitist algorithm, ~~not~~ prioritising only fitness and exploitation. Thus, the algorithm will likely finish faster, but also prematurely converge.