

# Worksheet solution: Classifying different versions of parallel search algorithms

Enter "YES" or "NO", as appropriate, in each box below

Example: String Search variation	Data Race Free?	Functionally Deterministic?	Structurally Deterministic?
V1: Count of all occurrences	YES	YES	YES
V2: Existence of an occurrence	NO	YES	YES
V3: Index of any occurrence	NO	NO	YES
V4: Optimized existence of an occurrence: do not create more async tasks after occurrence is found	NO	YES	NO
V5: Optimized index of any occurrence: do not create more async tasks after occurrence is found	NO	NO	NO

