JavaScript test

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```javascript
function assignTasksWithPriorityAndDependencies(developers, tasks) {
  tasks.sort((a, b) => b.priority - a.priority || b.difficulty - a.difficulty);

  const developerAssignments = developers.map((dev) => ({
    name: dev.name,
    assignedTasks: [],
    totalHours: 0,
  }));

  const completedTasks = new Set();
  const unassignedTasks = [];

  for (const task of tasks) {
    const { difficulty, hoursRequired, taskType, dependencies } = task;

    const dependenciesMet = dependencies.every((dep) =>
      completedTasks.has(dep)
    );
    if (!dependenciesMet) {
      unassignedTasks.push(task);
      continue;
    }

    const suitableDeveloper = developerAssignments.find((dev) => {
      const developer = developers.find((d) => d.name === dev.name);
```

```javascript
    return (
      dev.totalHours + hoursRequired <= developer.maxHours &&
      developer.skillLevel >= difficulty &&
      (developer.preferredTaskType === taskType ||
       dev.assignedTasks.length === 0)
    );
  });

  if (suitableDeveloper) {
    suitableDeveloper.assignedTasks.push(task);
    suitableDeveloper.totalHours += hoursRequired;
    completedTasks.add(task.taskName);
  } else {
    unassignedTasks.push(task);
  }
 }
 return { developerAssignments, unassignedTasks };
}
```