

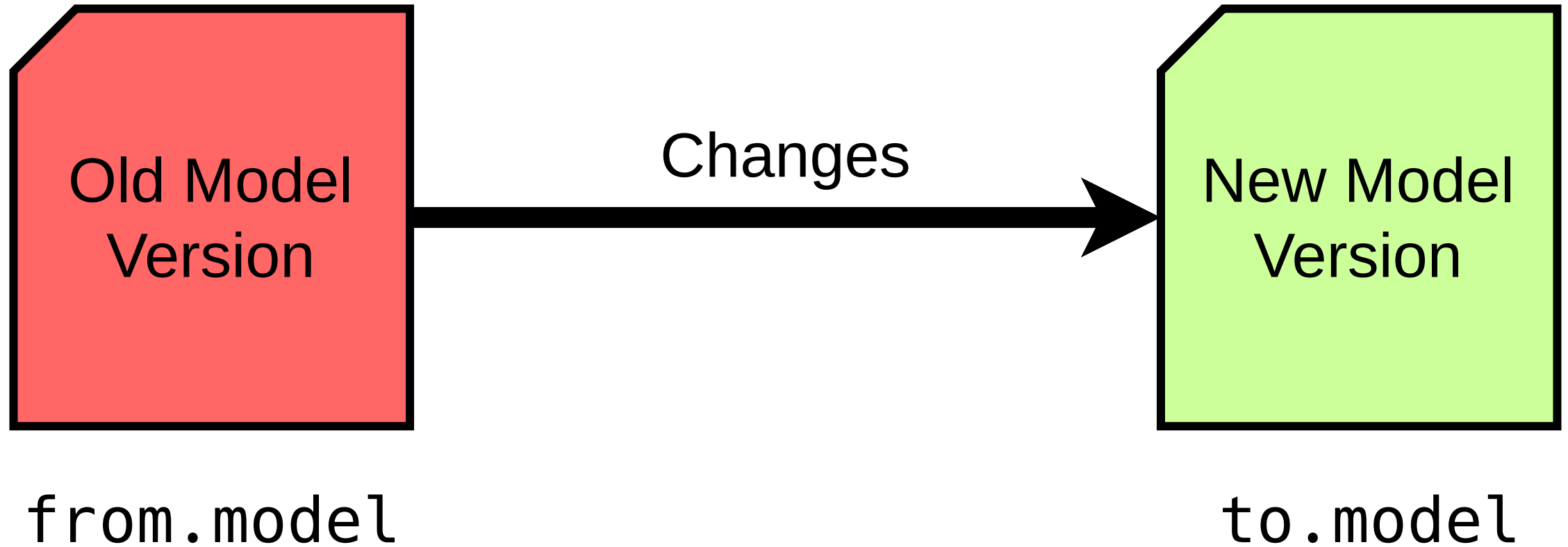
Towards an Interoperable and Customisable Textual Format for Model Differences Reporting

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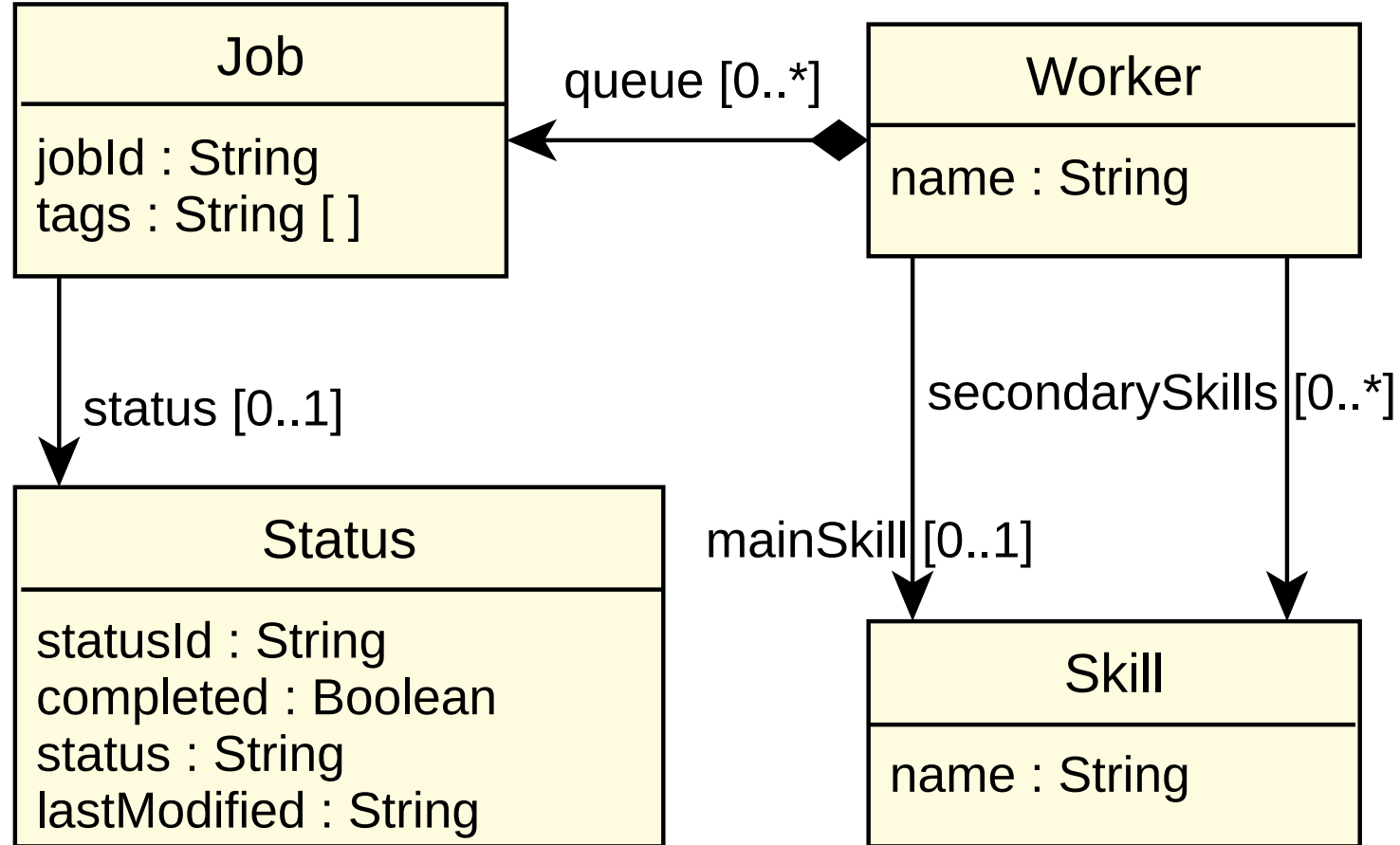
Two-Way Model Comparison



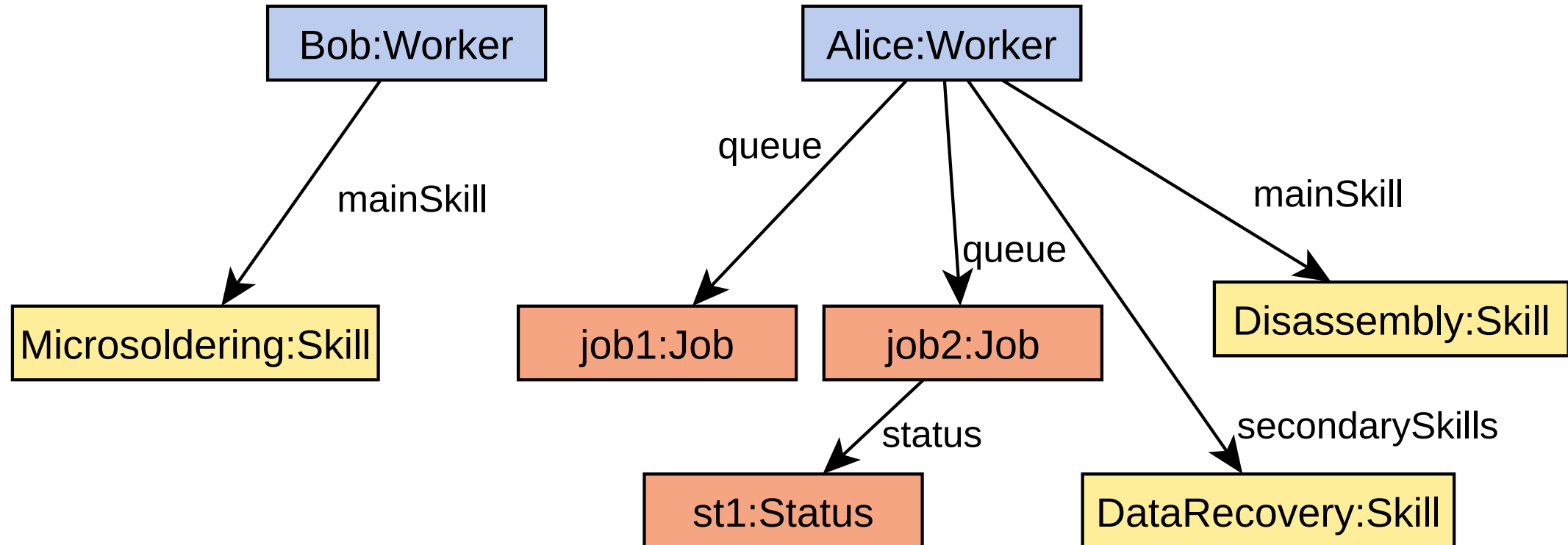
Two-Way Model Comparison: Stages

1. Comparison
2. Differences Representation
3. Differences **Reporting**

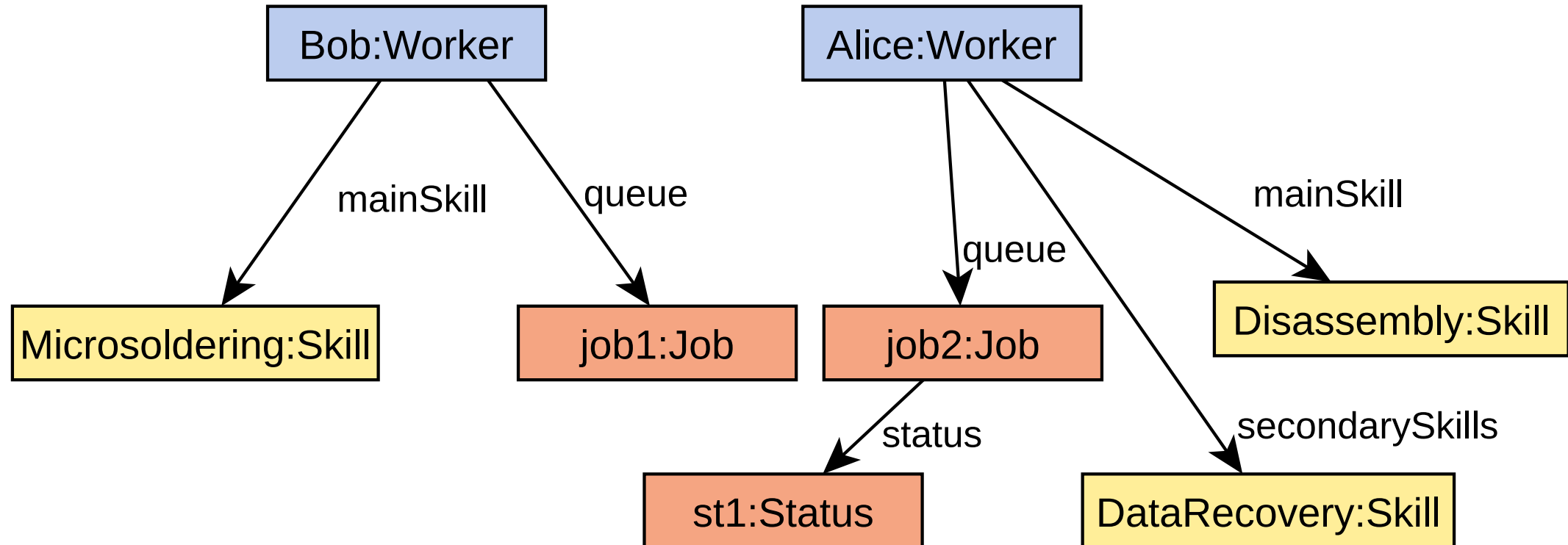
Example: Repair Shop (metamodel)



from.model

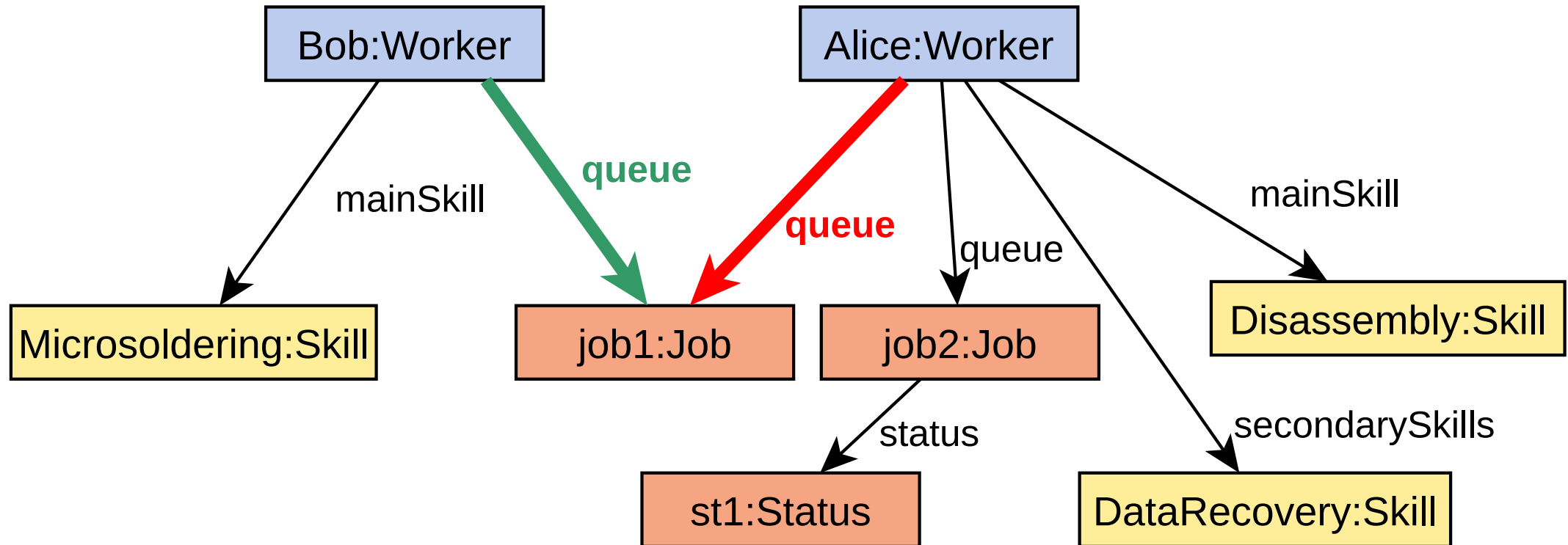


to.model



Graphical diff

The *job1* job moves from Alice's queue to Bob's



Why not textual diff as well?

Why not textual diff as well? XMI

Remember: the only change is *job1* moving from Alice's to Bob's queue

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```
$ diff -u from.model to.model
--- from.model      2023-08-29 10:53:19.565935674 +0200
+++ to.model        2023-08-29 10:53:19.565935674 +0200
@@ -6,6 +6,11 @@
     <workers name="Alice"
         mainSkill="Disassembly"
         secondarySkills="Microsoldering DataRecovery">
+   <queue jobId="job2"
+       description="broken phone screen"/>
+ </workers>
+ <workers name="Bob"
+     mainSkill="Microsoldering">
    <queue jobId="job1"
        description="laptop does not charge">
        <tags>battery</tags>
@@ -14,11 +19,7 @@
        statusId="st1"
        status="pending"/>
    </queue>
-   <queue jobId="job2"
-       description="broken phone screen"/>
- </workers>
- <workers name="Bob"
-     mainSkill="Microsoldering"/>
    <skills name="Microsoldering"/>
    <skills name="Disassembly"/>
    <skills name="DataRecovery"/>
```