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/* *****
 *   DeliverAgent.java
 *   Delivers Raw Materials
 * *****/
package player.playeragent;

import player.*;
import gen.*;

/** Class for delivering raw material for a derivative */
public class DeliverAgent implements PlayerI.DeliverAgentI{

    /** Adds raw materials to the given derivatives */
    public Derivative deliverRawMaterial(Derivative needRM){
        return needRM.deliver(rawMaterialInst(needRM));
    }

    /** Compute a RawMaterial Instance for the given Derivative */
    private RawMaterialInstance rawMaterialInst(Derivative d){
        String rmi = "l:*v1v2v3 " +
                    "l:*v1v2 v4 " +
                    "l:*v1v2 v5 " +
                    "l:*v1 v3v4 " +
                    "l:*v1 v3 v5 " +
                    "l:*v1 v4v5 " +
                    "l:* v2v3v4 " +
                    "l:* v2v3 v5 " +
                    "l:* v2 v4v5 " +
                    "l:* v3v4v5";

        int relationNum = d.type.instances.top().r.v;
        rmi = rmi.replace("l:", Integer.toString(relationNum));

        try
        {
            return RawMaterialInstance.parse(rmi);
        }
        catch (ParseException e) {
            return null;
        }
    }
}

```