Handout 1
Evaluation Criteria

Software Verification

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1 Summary of Exercise Grades

Exercise 1	definition of `distinct`	2 point
Exercise 2	`injective_cons`	4 point
Exercise 3	`proper_cuts_cons`	3 point
Exercise 4	`map_cons`	5 point
Exercise 5	`proper_cuts_correct`	6 point
Bonus exercise	`injective_map`	2 points
	TOTAL	20 points (+2 bonus)

Table 1: Exercises Grades.

Table 1 summarizes the grades for each exercise in Handout 1.

2 Proof Organization

- If a proof is divided in n cases, each case counts $1/n$ points of the exercise grade.
- If a case as m sub-cases, each sub-case counts $1/m$ points of the case grade.
- If a proof is not clearly organized in cases and sub-cases, it loses 20% of the exercise total grade.
- A proof that unnecessarily introduces superfluous cases (*e.g.*, doing `induction` when the proof does not require induction) loses 20% of the exercise total grade.

3 Proof Readability

You should indent and comment your proof, indicating the main cases and subcases. A proof that is hard to read loses 5% of the exercise total grade.

4 Proof Automation and Conciseness

You should strive for as much automation as possible in our proofs. This means using tactics such `lia`, `auto`, or `assumption` as soon as possible. If a case within a proof is longer than required, it loses 10% of that specific case grade.