Computer Perspectures 2001

Solution notes

Form presibities for the three souteness are as Johns (Two "for", Two "agams"):

- 1. If a compiler accepts a program, Then at run-line the program will never perform nonsense, such as applying an integer as Though it were a function.
- 2. Under the same conclision, if the result type far program is "int list", Then if the program Terminates The result will indeed be an integer.
- 3. Even it a program is well-typed, if it is supposed to produce the sum of a list of integers (say) it may in fact produce some other value (though it will be on integer).
- 4. The type system of a purposiming language offers no protection against a faulty compiler or faulty nun-time system.