S4.3: Expression Evaluation: Parallel Evaluation

CSci 2041:

Advanced Programming Principles

University of Minnesota,
Prof. Van Wyk,
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```
let v = fold plus a2

becomes

int foldhelper (f : (int,int) -> int, arr : array,
                start : int, end : int )  {
  int result = 0;
  if end - start = 1 then
    result = arr[start];
  else
    int split = start + ( ( end - start ) / 2 );
    int left = spawn foldhelper (f, arr, start, split)
    int right = spawn foldhelper (f, arr, split, end)
    sync;
    result = f (left, right);

  return result;
}
```