

Assignment X: XXX

Programming report

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Algorithms and Data Structures 2020

1 Problem description

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2 Problem analysis

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3 Program design

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4 Evaluation of the program

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5 Process description

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6 Conclusions

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7 Appendix: program text

```
1 void push (int value, Stack *stp) {
2     if (stp->top == stp->size) {
3         doubleStackSize(stp);
4     }
5     stp->array[stp->top] = value;
6     stp->top++;
7 }
```