

code

```
\lua {
  document = { }
  document.dimens = { }
}

\dostepwiserecurse{'a'}{'z'}{1} {
  \setbox\scratchbox\hbox{\char\recurselevel}
  \lua {
    document.dimens[\recurselevel] = tex.wd[\number\scratchbox]
  }
}

\lua {
  local total, n = 0, 0
  for d in pairs(document.dimens) do
    total, n = total + document.dimens[d], n + 1
  end
  if n>0 then
    document.mean = total/n
  else
    document.mean = 0
  end
}
```

```

end
}

\mathematics {
  \lua { tex.dimen[0] = document.mean } \withoutpt \the\dimen0 =
  \lua { tex.print(document.mean/65536) } \approx
  \lua { tex.print(math.ceil(document.mean/65536)) }
}

\bgroup
  \count0=10 \count2=30
  \scratchcounter = \lua { tex.print((tex.count[0] + tex.count[2])/2) }
  \number\scratchcounter
\egroup

```

result

$6.88736 = 6.8873619666466 \approx 7$

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