

Advanced Trace Selector

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```
start <- 1      # Starting sweep number
intervals <- 6  # The number of interstimulus intervals
reps <- 10     # The number of sweeps per interval
current <- 1   # Keeps track of which interstimulus interval you are averaging

while (current <= intervals){      # Construct the line for the first interval
  rep <- as.character(start)
  n <- start + intervals          # Increment to the next sweep with that same interval
  i <- 1                          # While loop counter

  # sequentially adds to the list of traces for the current interstimulus interval
  while (i < reps){
    rep <- paste(rep, ",", sep = "")
    rep <- paste(rep, as.character(n), sep = "")
    n <- n + intervals
    i <- i + 1
  }
  print(rep) # Outputs the completed line to paste into "average traces"

  start <- start + 1 # Resets the current trace to the first sweep of the next interval
  n <- start + current # Resets the current trace to the first sweep of the next interval
  current <- current + 1 # Goes to the next interval and repeats the process
}
```

```
[1] "1,7,13,19,25,31,37,43,49,55"
[1] "2,8,14,20,26,32,38,44,50,56"
[1] "3,9,15,21,27,33,39,45,51,57"
[1] "4,10,16,22,28,34,40,46,52,58"
[1] "5,11,17,23,29,35,41,47,53,59"
[1] "6,12,18,24,30,36,42,48,54,60"
```