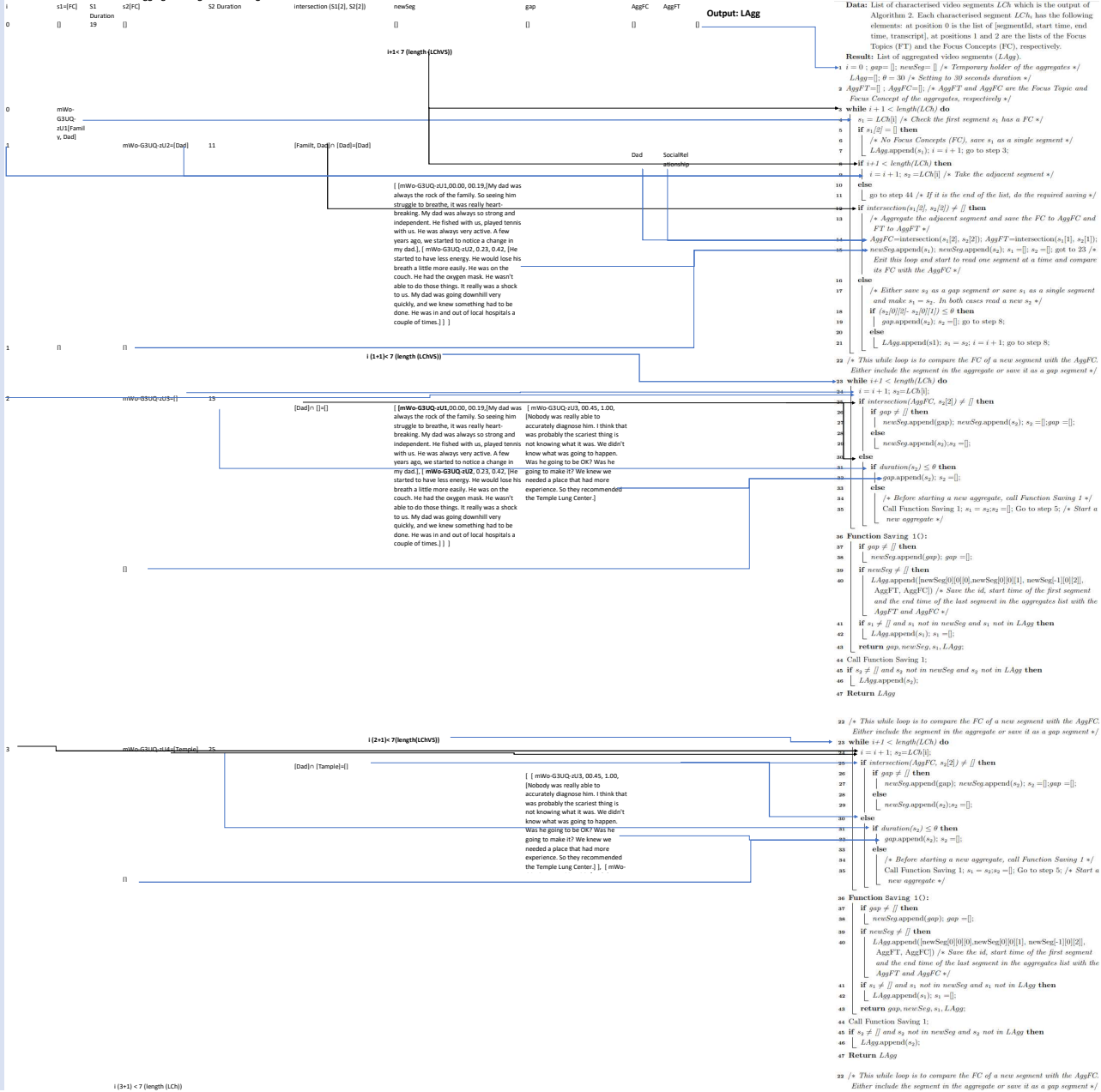


Input: LCh, length(LCh)=7					
Segmentid	Segment	Segment Start Time	Segment End Time	Segment Transcript	Segment
mWo-G3UQ-u1	0.00	0.19		My dad was always the rock of the family. So seeing him struggle to breathe, it was really heart-breaking. My dad was always so strong and independent. He fished with us, played tennis with us. He	Family SocialRelationship
					Dad SocialRelationship
					Dad SocialRelationship
mWo-G3UQ-u2	0.23	0.42		He started to have less energy. He would lose his breath a little more easily. He was on the couch. He had the oxygen mask. He wasn't	Dad SocialRelationship
mWo-G3UQ-u3	0.45	1.00		Nobody was really able to accurately diagnose him. I think that was probably the scariest thing I'm not knowing what it was. We didn't know what was going to happen. Was he going to be OK? Was he going to make it? We knew we needed a place that had more experience. So they recommended the Temple Lung Center.	Temple PersonalValuesAndBeliefs
mWo-G3UQ-u4	1.03	1.28		And that was the best decision we ever made. Immediately you could feel a difference at Temple. From the doctors to the testing that was done there. We just knew he was in the right place. He was going to get the best care he could. So I think at Temple Lung Center they just tend to see more cases like his.	Temple PersonalValuesAndBeliefs
mWo-G3UQ-u5	1.33	1.53		Things that are a little bit more rare. So they seem to have more knowledge. Just right off the bat they seemed to have a better understanding of what was going on with him. They really came up with a plan for him, how they could make him better, how they could treat him, and I felt like they found the right mix for him. You know, it was a combination of medicine, pulmonary therapy, oxygen.	

### Aggregation Algorithm tracing

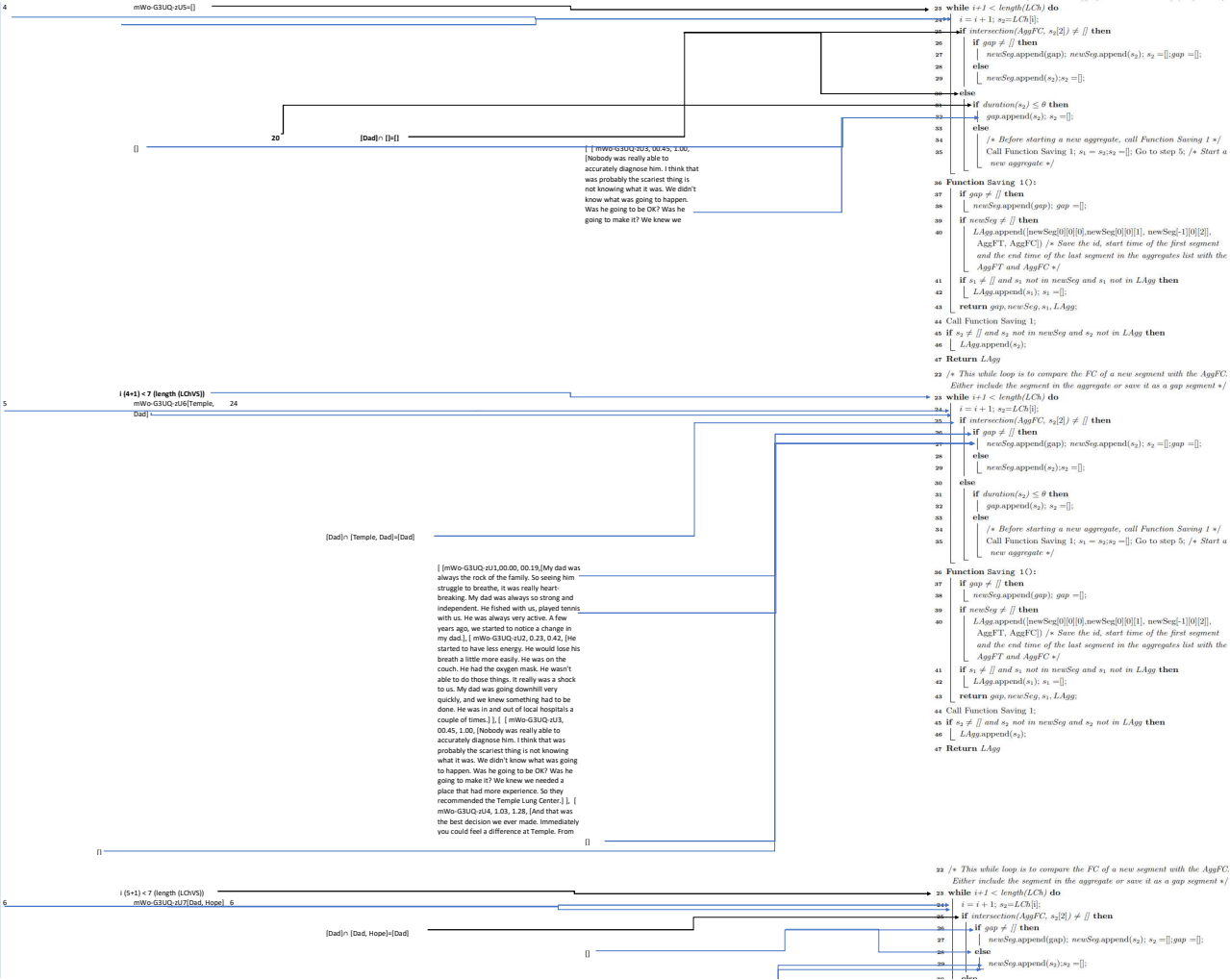


mWo-G3UQ-zU6 1.58 2.22 And they really knew what would get him back to where he was. I love watching my kids with Grandpa and seeing them play with him and interact with him. And now knowing that he'll be around to see all those special moments that are still to come in their life is just amazing. I'm grateful to Temple because without Temple I don't think my dad would be where he is today.

Temple Dad PersonalValuesAndBeliefs SocialRelationship

mWo-G3UQ-zU7 2.25 2.31 They gave him his life back. We got our dad back. The grandkids got Grandpa back. They didn't just give us hope. They gave us him, which is great.

Hope PsychologicalHealth



```

[]

[ [mWo-G3UQ-vU1,00.00, 00.19,[My dad was
always the rock of the family. So seeing him
struggle to breathe, it was really heart-
breaking. My dad was always so strong and
independent. He fished with us, played tennis
with us. He was always very active. A few
years ago, we started to notice a change in
my dad.], [ mWo-G3UQ-vU2, 0.23, 0.42, [He
started to have less energy. He would lose his
breath a little more easily. He was on the
couch. He had the oxygen mask. He wasn't
able to do those things. It really was a shock
to us. My dad was going downhill very
quickly, and we knew something had to be
done. He was in and out of local hospitals a
couple of times.]], [ [ mWo-G3UQ-vU3,
00.45, 1.00, [Nobody was really able to
accurately diagnose him. I think that was
probably the scariest thing is not knowing
what it was. We didn't know what was going
to happen. Was he going to be OK? Was he
going to make it? We knew we needed a
place that had more experience. So they
recommended the Temple Lung Center ] ], [
mWo-G3UQ-vU4, 1.03, 1.28, [And that was
the best decision we ever made. Immediately
you could feel a difference at Temple. From

```

(B+1) = 7 (length (LOVS))

```

[]

[ [mWo-G3UQ-vU1,00.00, 00.19,[My dad was []
always the rock of the family. So seeing him
struggle to breathe, it was really heart-
breaking. My dad was always so strong and
independent. He fished with us, played tennis
with us. He was always very active. A few
years ago, we started to notice a change in
my dad.], [ mWo-G3UQ-vU2, 0.23, 0.42, [He
started to have less energy. He would lose his
breath a little more easily. He was on the
couch. He had the oxygen mask. He wasn't
able to do those things. It really was a shock
to us. My dad was going downhill very
quickly, and we knew something had to be
done. He was in and out of local hospitals a
couple of times.]], [ [ mWo-G3UQ-vU3,
00.45, 1.00, [Nobody was really able to
accurately diagnose him. I think that was
probably the scariest thing is not knowing
what it was. We didn't know what was going
to happen. Was he going to be OK? Was he
going to make it? We knew we needed a
place that had more experience. So they
recommended the Temple Lung Center ] ], [
mWo-G3UQ-vU4, 1.03, 1.28, [And that was
the best decision we ever made. Immediately
you could feel a difference at Temple. From

```

[ [mWo-G3UQ-vU1,00.00, 00.19,[My dad was always the rock of the family. So seeing him struggle to breathe, it was really heart-breaking. My dad was always so strong and independent. He fished with us, played tennis with us. He was always very active. A few years ago, we started to notice a change in my dad.], [ mWo-G3UQ-vU2, 0.23, 0.42, [He started to have less energy. He would lose his breath a little more easily. He was on the couch. He had the oxygen mask. He wasn't able to do those things. It really was a shock to us. My dad was going downhill very quickly, and we knew something had to be done. He was in and out of local hospitals a couple of

```

30  case
31  | If duration(s2) ≤ 0 then
32  |   gap.append(s2); s2 = [];
33  | else
34  |   /* Before starting a new aggregate, call Function Saving 1 */
35  |   Call Function Saving 1; s1 = s2; s2 = []; Go to step 5; /* Start a
36  |   new aggregate */
37
38  Function Saving 1():
39  | If gap ≠ [] then
40  |   newSeg.append(gap); gap = [];
41  | If newSeg ≠ [] then
42  |   LAgg.append([newSeg[0][0][0],newSeg[0][0][1], newSeg[-1][0][2]],
43  |   AggFT, AggFC); /* Save the id, start time of the first segment
44  |   and the end time of the last segment in the aggregates list with the
45  |   AggFT and AggFC */
46  | If s1 ≠ [] and s1 not in newSeg and s1 not in LAgg then
47  |   LAgg.append(s1); s1 = [];
48  | return gap, newSeg, s1, LAgg;
49
50  Call Function Saving 1;
51  If s2 ≠ [] and s2 not in newSeg and s2 not in LAgg then
52  |   LAgg.append(s2);
53  | Return LAgg
54
55  /* This while loop is to compare the FC of a new segment with the AggFC.
56  |   Either include the segment in the aggregate or save it as a gap segment */
57  while (i+1 < length(LCh)) do
58  |   i = i + 1; s2 = LCh[i];
59  |   If intersectem(AggFC, s2[2]) ≠ [] then
60  |   | If gap ≠ [] then
61  |   |   newSeg.append(gap); newSeg.append(s2); s2 = []; gap = [];
62  |   | else
63  |   |   newSeg.append(s2); s2 = [];
64  |   | else
65  |   |   If duration(s2) ≤ 0 then
66  |   |   |   gap.append(s2); s2 = [];
67  |   |   | else
68  |   |   |   /* Before starting a new aggregate, call Function Saving 1 */
69  |   |   |   Call Function Saving 1; s1 = s2; s2 = []; Go to step 5; /* Start a
70  |   |   |   new aggregate */
71  |   |   |
72  |   |   Function Saving 1():
73  |   |   | If gap ≠ [] then
74  |   |   |   newSeg.append(gap); gap = [];
75  |   |   | If newSeg ≠ [] then
76  |   |   |   LAgg.append([newSeg[0][0][0],newSeg[0][0][1], newSeg[-1][0][2]],
77  |   |   |   AggFT, AggFC); /* Save the id, start time of the first segment
78  |   |   |   and the end time of the last segment in the aggregates list with the
79  |   |   |   AggFT and AggFC */
80  |   |   | If s1 ≠ [] and s1 not in newSeg and s1 not in LAgg then
81  |   |   |   LAgg.append(s1); s1 = [];
82  |   |   | return gap, newSeg, s1, LAgg;
83  |   |   |
84  |   |   Call Function Saving 1;
85  |   |   If s2 ≠ [] and s2 not in newSeg and s2 not in LAgg then
86  |   |   |   LAgg.append(s2);
87  |   |   | Return LAgg

```